

SHARP SERVICE MANUAL

No. S12V630DC30M/



LCD COLOUR TELEVISION

MODEL LC-22DC30M

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SAFETY PRECAUTION

IMPORTANT SERVICE SAFETY PRECAUTION

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

■WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

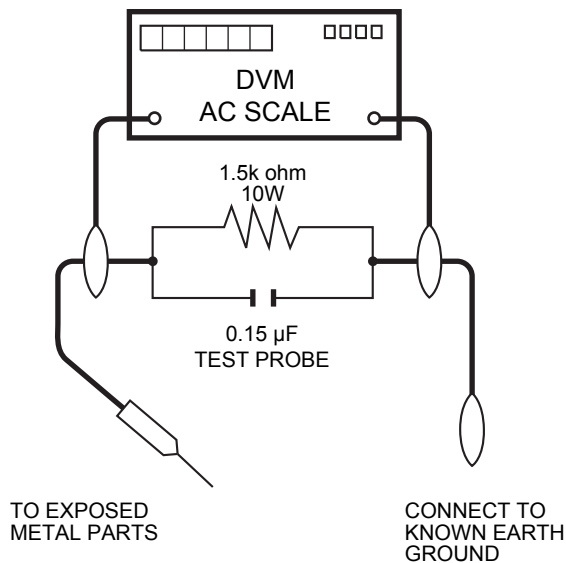
■BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
5. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 110-240 volt AC outlet.
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
 - Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.74 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD colour television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts List and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS FOR USING LEAD-FREE SOLDER

■Employing lead-free solder

- “PWBs” of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa
Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

LFa/a
Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

■Using lead-free wire solder

- When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

■Soldering

- As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

PARTS CODE	PRICE RANK	PART DELIVERY	DESCRIPTION
ZHNDai123250E	BL	J	φ0.3mm 250g (1roll)
ZHNDai126500E	BK	J	φ0.6mm 500g (1roll)
ZHNDai12801KE	BM	J	φ1.0mm 1kg (1roll)

OUTLINE

MAJOR SERVICE PARTS

■PWB UNIT

Ref No.	Part No.	Description
N	DKEYMG073FM02	MAIN Unit

■OTHER UNIT

Ref No.	Part No.	Description
N	RLCDA251WJQZ	LCD Panel Module

■IC FOR EXCLUSIVE USE OF THE SERVICE

Ref No.	Part No.	Description	Q'ty
IC508	RH-iXD172WJQZS	IC PC EDID	1
IC1501	RH-iXD173WJQZS	IC HDMI EDID	1

■SERVICE JIGS

Ref No.	Part No.	Description	Q'ty
N	QCNW-M477WJPZ	Extension Cable, LED BL Wire (Main-Panel BL)	1
N	QCNW-M476WJPZ	Extension Cable, LVDS FFC (Main-LCD Controller)	1
N	QCNW-M161WJPZ	Extension Cable, Speaker Wire (Main-Speaker)	1

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS

Item		Model	LC-22DC30M
LCD panel			21.5" (548 mm) TFT LCD
Resolution			2,073,600 pixels (1920 × 1080)
Video Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60
TV Function	TV-Standard		PAL: B/G, D/K, I SECAM: B/G, D/K, K/K; NTSC: M
	Receiving Channel	VHF/UHF	44.25—863.25 MHz
		CATV	S1—S41ch (including Hyperband)
	TV-Tuning System		Auto Preset 99 ch
	STEREO/BILINGUAL		NICAM: B/G, I, D/K A2 stereo: B/G
Viewing angles			H : 170° V : 160°
Audio amplifier/Speakers			5 W × 2 / 3 × 8 cm 2pcs
Terminals	Antenna input		UHF/VHF 75 Ω DIN type
	INPUT 1		HDMI (HDMI input), AUDIO in (ϕ 3.5 mm jack)
	INPUT 2		VIDEO in, AUDIO in
	INPUT 3		VIDEO in, AUDIO in, COMPONENT in
	INPUT 4 (PC input)		15 pin mini D-sub, AUDIO in (common use with INPUT 1) (ϕ 3.5 mm jack)
	AUDIO OUT		AUDIO out
	USB		USB
	Headphone		ϕ 3.5 mm stereo
OSD language			English/Simplified Chinese/Arabic/French/Portuguese/Russian/Persian/Thai/Vietnamese/Indonesian
Power Requirement			AC 110—240 V, 50/60 Hz
Power Consumption			XX W (X.X W Standby)
Dimensions	without stand		XXX (W) × XXX (H) × XXX (D) mm
	with stand		XXX (W) × XXX (H) × XXX (D) mm
Weight			X kg (without stand) / X kg (with stand)
Operating Temperature			0°C — 40°C

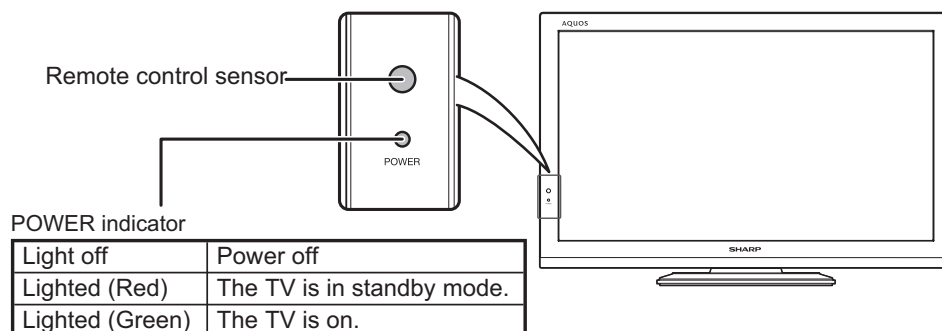
- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

CHAPTER 2. OPERATION MANUAL

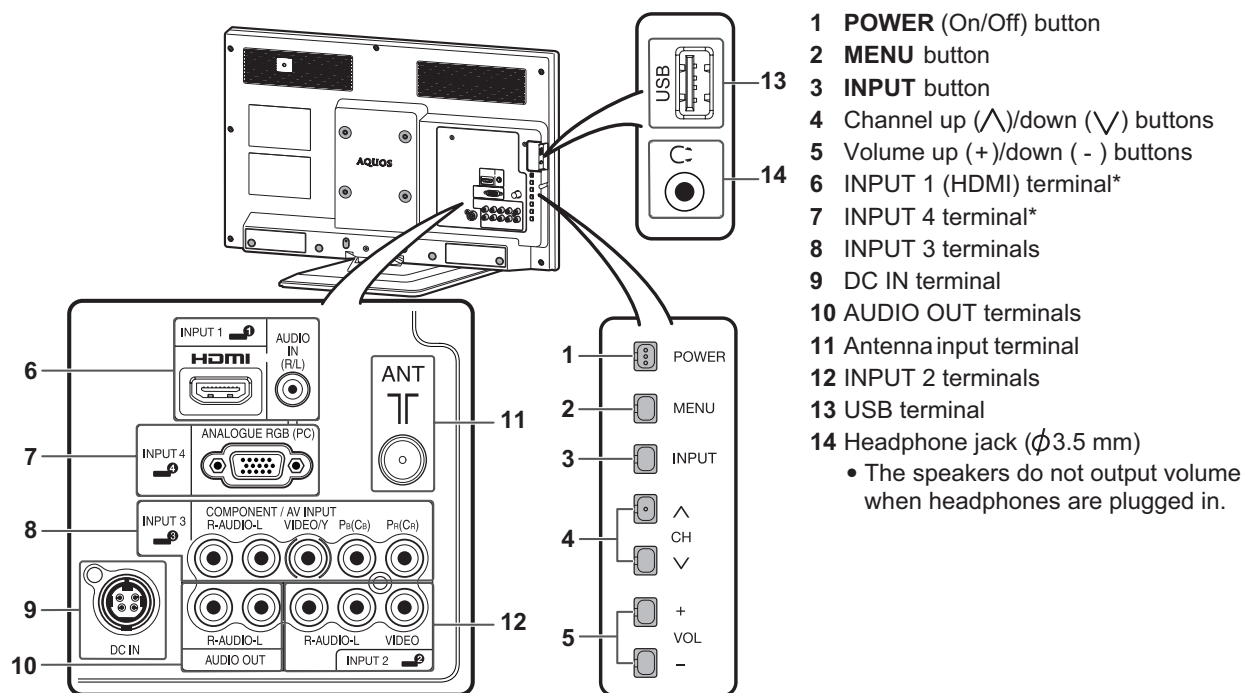
[1] OPERATION MANUAL

Part names

TV (Front)



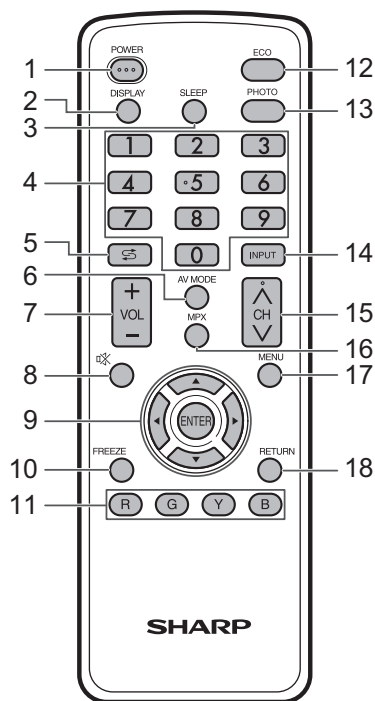
TV (Rear)



* The **INPUT 1** and **INPUT 4** terminals can both use the same audio input terminal. However, the proper item must be selected in the "PC audio select" menu.

• The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.

Remote control unit



1 POWER (STANDBY/ON)

To switch the power on and off.

2 DISPLAY

Display the channel or input information.

3 SLEEP

Set the Sleep timer.

0 hr. 30 min. → 1 hr. 00 min. → 1 hr. 30 min.
 ↑
 Off ← 2 hr. 30 min. ← 2 hr. 00 min.

4 0 ... 9

Set the channel.

5 ↺ (Flashback)

Press ↺ to return to the previous selected channel or external input mode.

6 AV MODE

Select an audio and video setting.

7 VOL + /VOL -

Set the volume.

(VOL +) Increase the volume.

(VOL -) Decrease the volume.

8 ☒ (Mute)

Press ☒ → Mutes sound.

Press ☒ again → Restores sound.

Mute will be cancelled after 30 minutes. However, the TV will not suddenly output loud sound as the volume level will be set to 0 automatically. Increase the volume level by pressing VOL + .

9 ▲ / ▼ / ◀ / ▶ (Cursor)

Select a desired item on the setting screen.

ENTER

Execute a command.

10 FREEZE

Freeze a motion picture on the screen.

11 Colour (Red/Green/Yellow/Blue)

The coloured buttons are correspondingly used to select the coloured items on the screen.

12 ECO

Reduce overall power consumption based on user preferences.

13 PHOTO

Display your pictures directly on the TV screen.

14 INPUT (INPUT SOURCE)

Select an input source.

15 CH ^ / CH v

TV input mode: Select the channel.

(CH ^) Increase the channel number.

(CH v) Decrease the channel number.

16 MPX

Select the sound multiplex mode.

17 MENU

Display the menu screen.

18 RETURN

MENU mode: Return to the previous menu screen.

Attaching the stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC outlet.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

1 Confirm the screws supplied with the TV.

Screws (x2)
(used in step 3)



2 Insert the stand base to the stand post on the bottom of the TV. (①)

3 Insert and tighten the 2 screws into the 2 holes on the bottom of the stand base. (②)

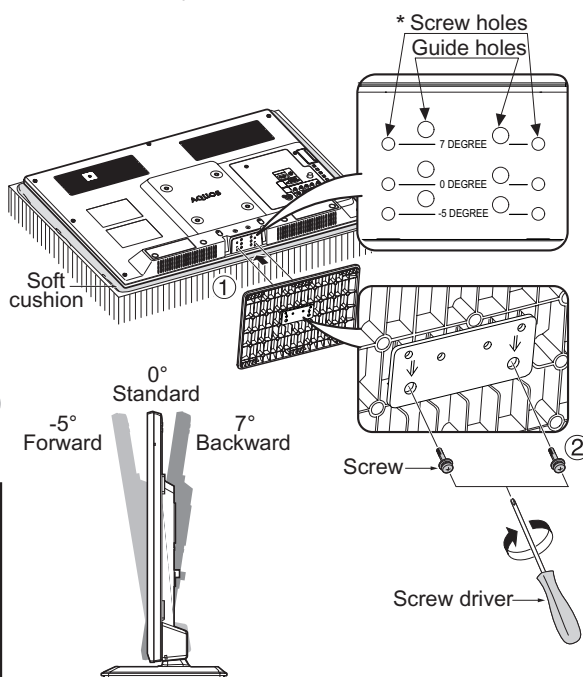
NOTE

- To detach the stand, perform the steps in reverse order.

Three screen position settings

* These settings will enable user to adjust the TV's position based on user's viewing condition.

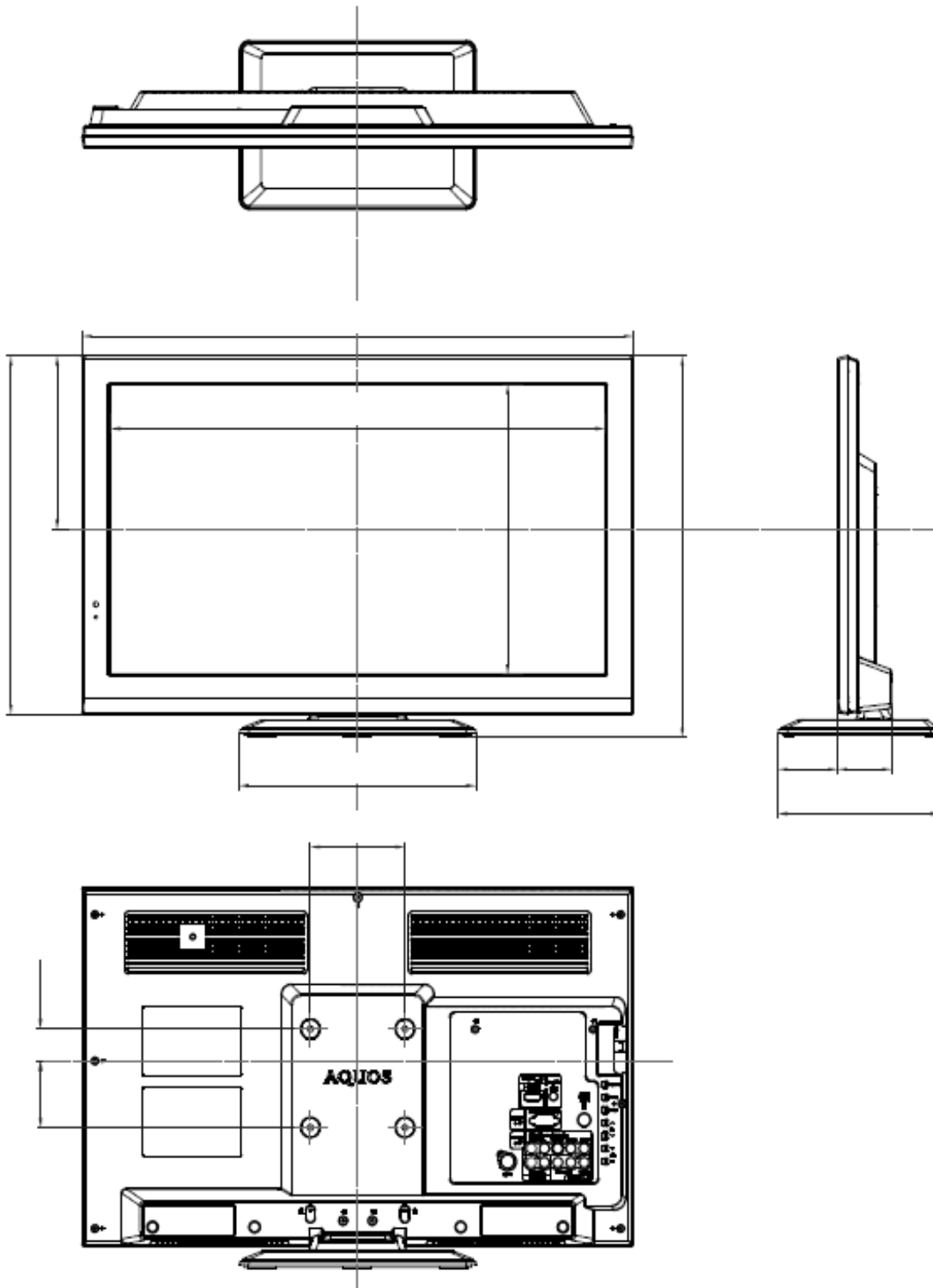
Position	Description
-5°	Suitable for lower eye viewing level such as when user is lying down or sitting on the floor.
0°	User's eye level is at the same level with the TV.
7°	Suitable for higher eye viewing level such as when the TV is located on the floor.



CHAPTER 3. DIMENSIONS

[1] DIMENSIONS

Unit mm

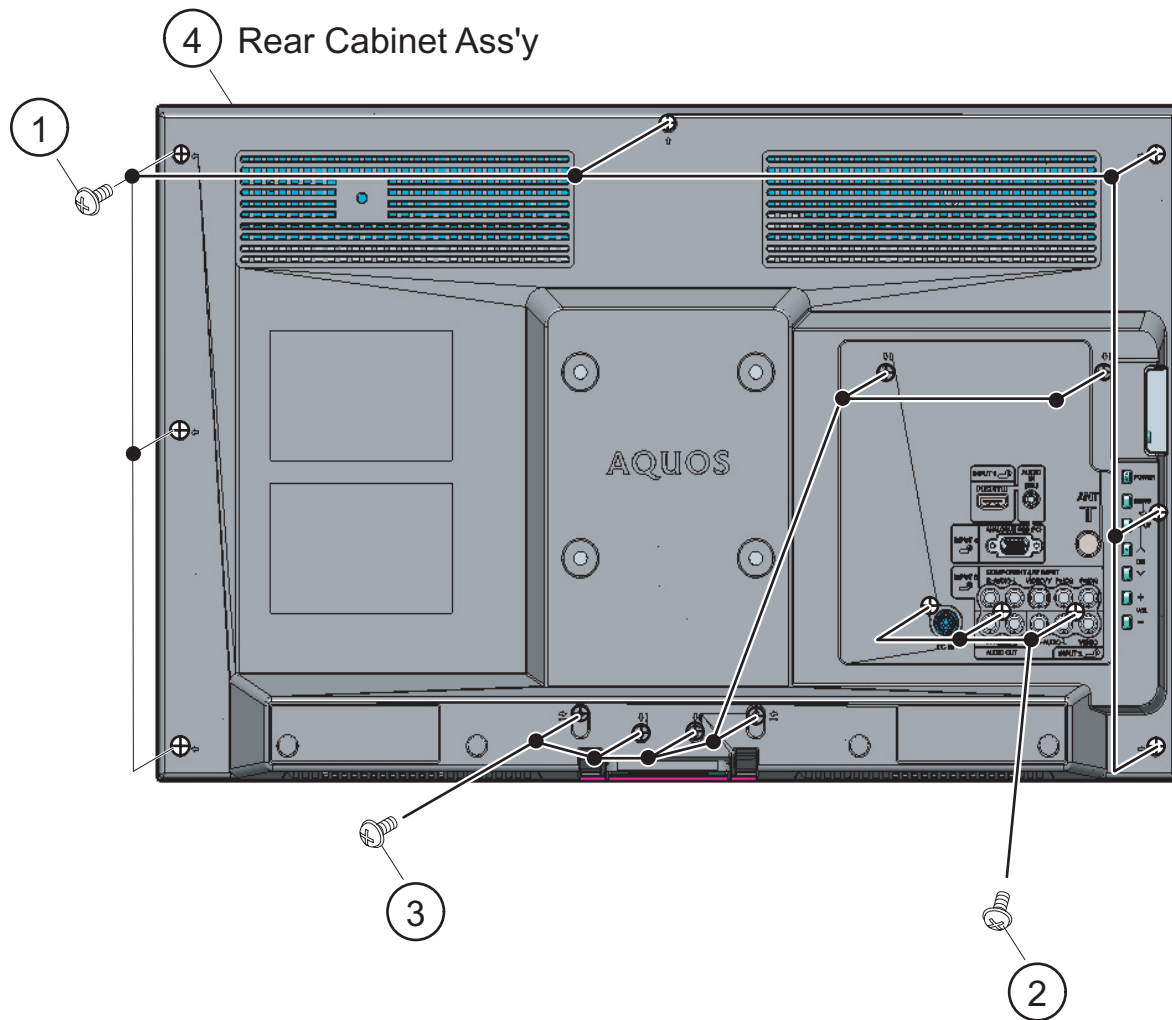


CHAPTER 4. REMOVING OF MAJOR PARTS

[1] REMOVING OF MAJOR PARTS

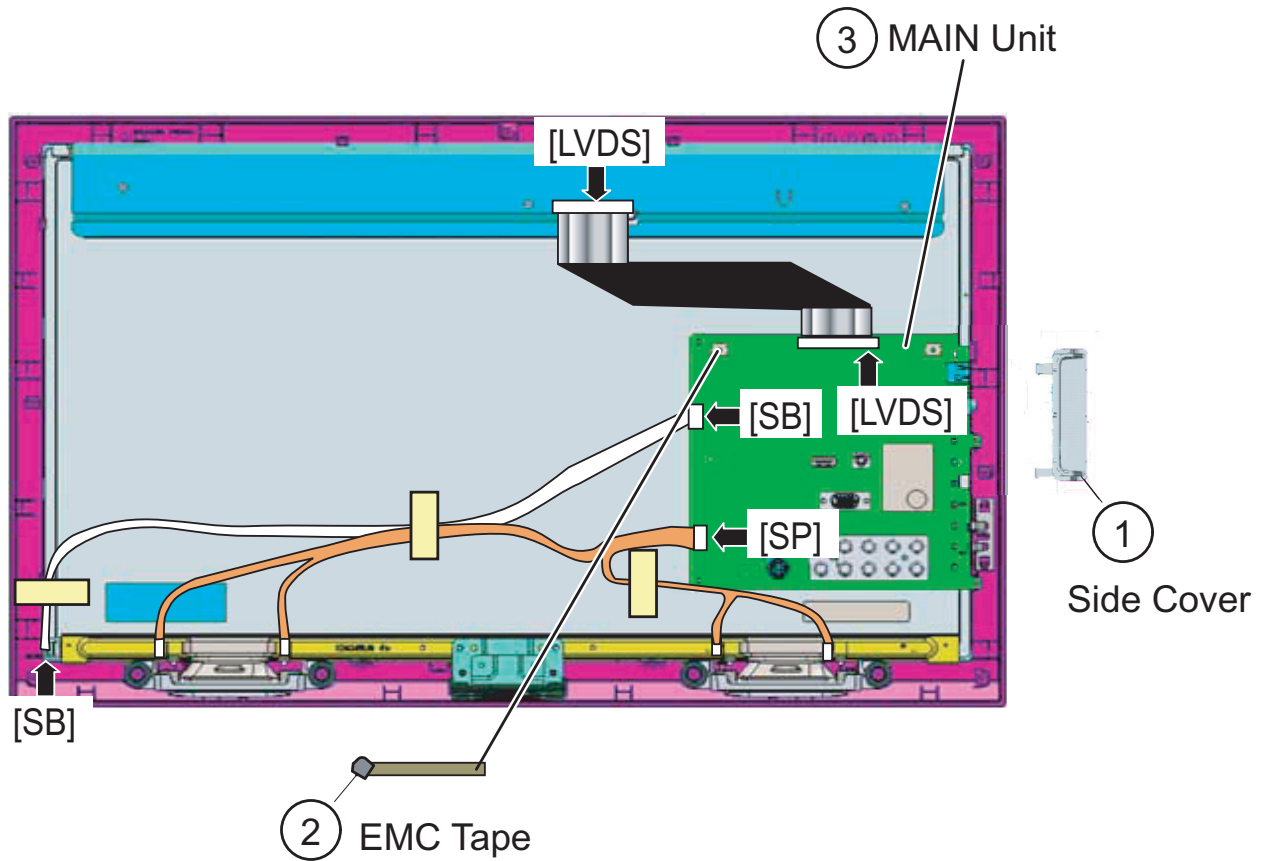
1. Removing of the Rear Cabinet Ass'y

1. Remove the 7 lock screws ① , 3 lock screws ② , 6 lock screws ③ and detach the Rear Cabinet Ass'y ④ .



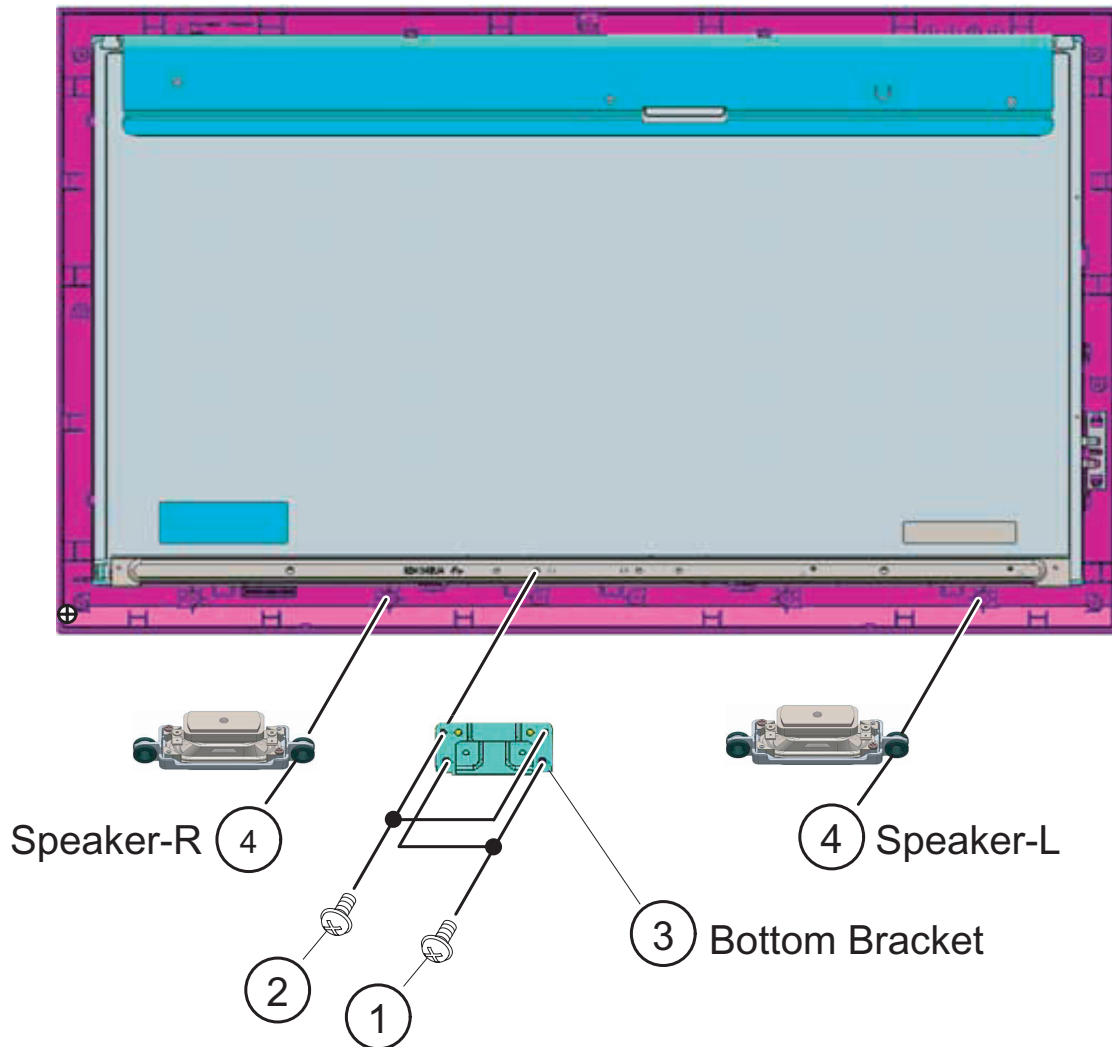
2. Removing of the Side Cover and MAIN Unit

1. Remove the Side Cover ① .
2. Remove the EMC Tape ② .
3. Disconnect the connectors (SB, SP, LVDS) from the Main Unit.
4. Disconnect the connectors (SB, LVDS) from the LCD Panel Module.
5. Detach the Main Unit ③ .



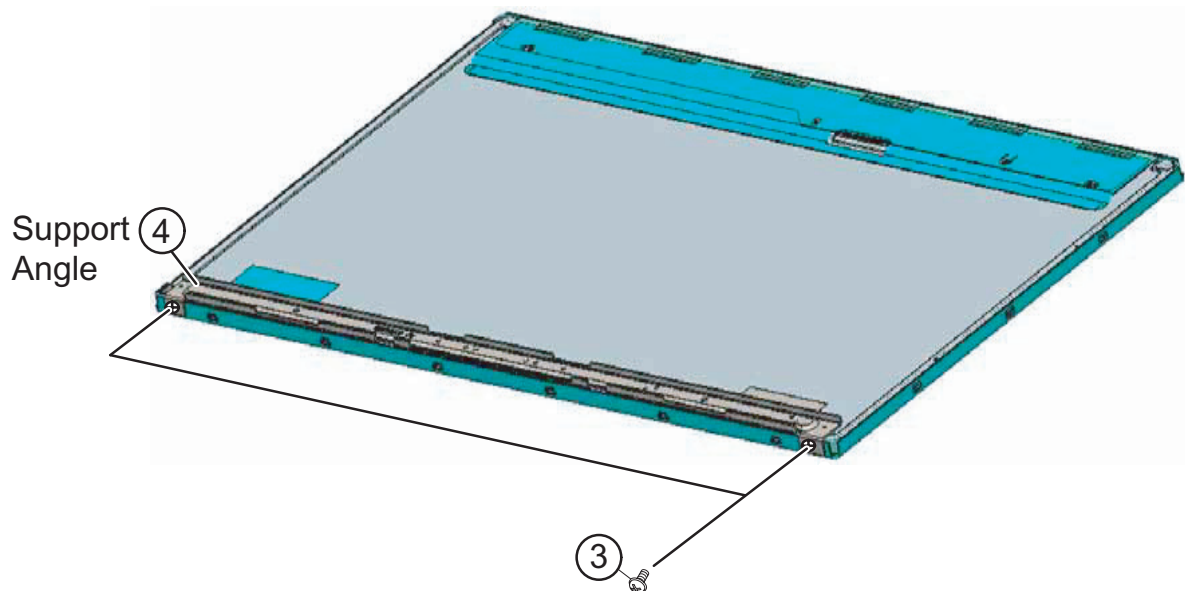
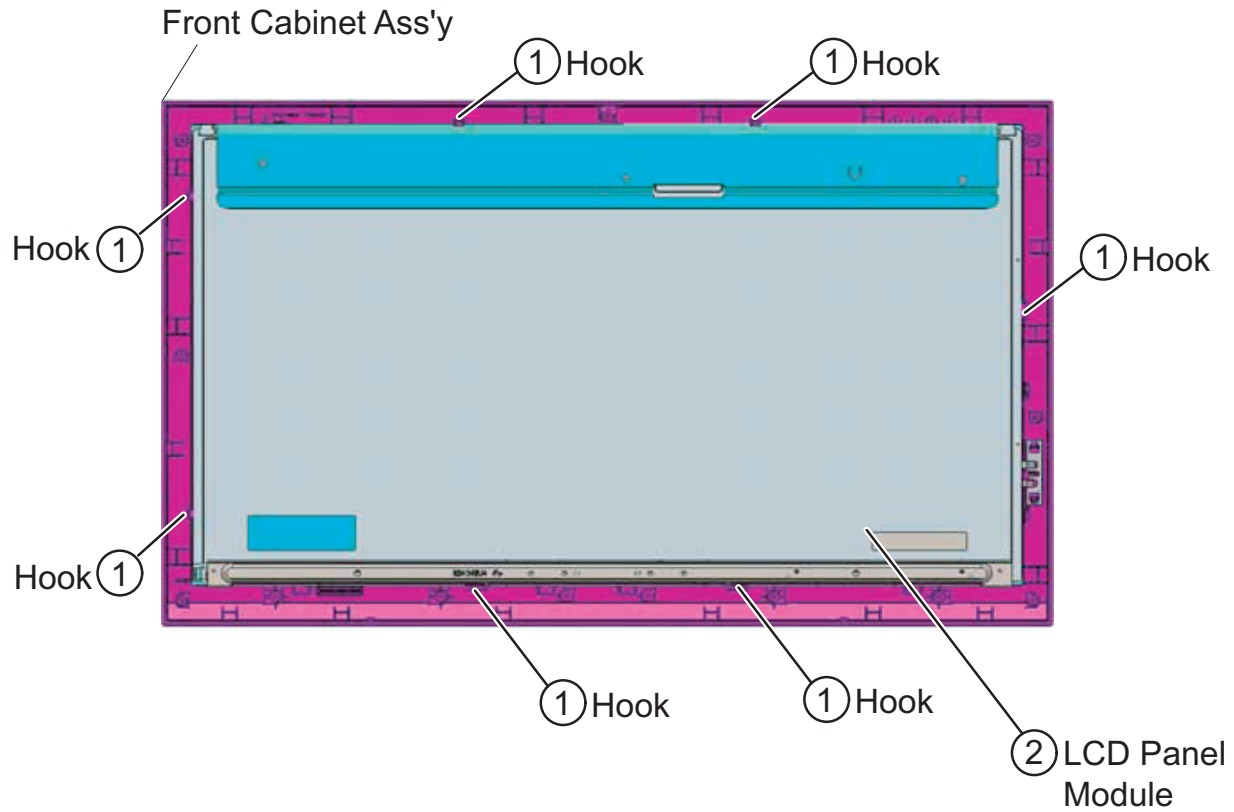
3. Removing of the Bottom Bracket and Speaker L/R

1. Remove the 2 lock screws ① , 2 lock screws ② and tthe Bottom Bracket ③ .
2. Detach the Speaker L/R ④ .



4. Removing of the LCD Panel Module and Support Angle

1. Detach the 7 pieces hooks ① and detach the LCD Panel Module ② .
2. Remove the 2 lock screws ③ and detach the Support Angle ④ .



CHAPTER 5. ADJUSTMENT









[1] ADJUSTMENT PROCEDURE

1. Entering and cancel the adjustment process mode

- 1) While holding down the TV/VIDEO and Volume DOWN keys at the same time, plug in the AC cord to turn on the power. ("K" standing for inspection process mode is displayed on the upper left position of the screen.)
- 2) Press the Channel DOWN and Volume DOWN keys at the same time. (The adjustment process mode screen appears.)
- 3) To cancel it, turn off the power using the Power switch or remote control.

2. Remote controller key operation and description of display in adjustment process mode.

1. key operation

Remote controller key	Main unit key	Function
CH ( / )	CH ( / )	Changing channel (UP/DOWN)
VOL (+ / -)	VOL (+ / -)	Changing volume (UP/DOWN)
Cursor ( / )	_____	Turning a page (PREVIOUS/NEXT)
Cursor ( / )	_____	Changing a selected line setting (+10/-10)
INPUT button on remote controller	INPUT button	Input source switching (toggle switching) (TV-DAV-1/SAV-1 → AV-2 → COMPONENT → HDMI → PC)
ENTER	_____	_____

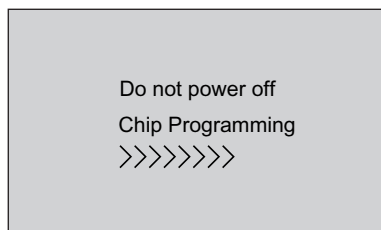
* Input mode is switched automatically when relevant adjustment is started so far as the necessary input signal is available.

3. Software upgrading.

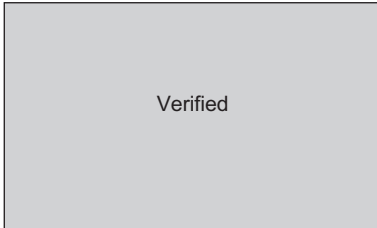
- 1) Plug off the LCD TV.
- 2) Insert the USB device to the USB terminal at the LCD TV.
(Make sure that the latest software is installed in the USB device).
- 3) Hold the LCD TV power key and plug on the LCD TV.
- 4) LCD TV is on and detecting the USB device.



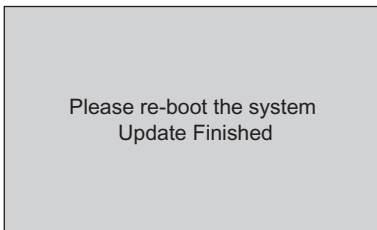
- 5) A few seconds later, the software upgrading will start automatically.



6) Let the process running & entering verification.



7) Software is successfully installed when the following appears at the end of the process.



8) Plug off the LCD TV and plug ON again as usual.

9) LCD TV is running with the latest software.

4. EDID DATA INPUT

4.1. HDMI EDID

	Adjustment item	Adjustment conditions	Adjustment procedure
1	EDID Input (HDMI)	Inspection mode Confirm the file name/version.	1) EDID data is input to IC1501 (HDMI INPUT1). 2) EDID data is input before HDMI operation checking. (Without EDID data, HDMI will not function correctly)

4.2. ANALOG PC EDID

	Adjustment item	Adjustment conditions	Adjustment procedure
1	EDID Input (ANALOG PC)	Inspection mode Confirm the file name/version.	1) EDID data is input to IC508 (PC INPUT) at checking line. 2) EDID data is input before Analog PC operation checking.

* HDMI EDID file name: edid_FHD_HDMI1_100324.bin

* PC EDID file name: edid_lvvy_FHD_PC_2k.bin

Main Software Package : Package 02

Main Software Filename : ORCHID_MM_Asia_Pack02_vxxx.bin

*xxx=Software version.

If any changes of software, will be informed by MARUHEN.Main Software

5. Signal adjustment

5.1. Signal check

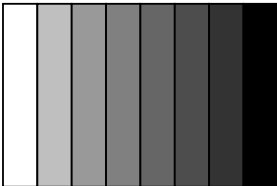
Confirmation of signal from generator (setting to spec level)

- PAL Composite signal : 0.7Vp-p \pm 0.02Vp-p (Pedestal to white level)
- 15K Component signal (50Hz) : Y level: 0.7Vp-p \pm 0.02Vp-p (Pedestal to white level)
Pb, Pr level: 0.7Vp-p \pm 0.02Vp-p
- 33K Component signal : Y level: 0.7Vp-p \pm 0.02Vp-p (Pedestal to white level)
Pb, Pr level: 0.7Vp-p \pm 0.02Vp-Com

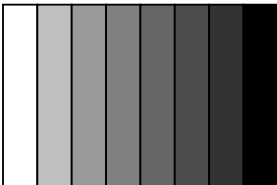
5.1.1 Adjustment Mode

	Adjustment item	Adjustment conditions	Adjustment procedure
1	Adjustment mode		1) Press the test key at the test remote control.

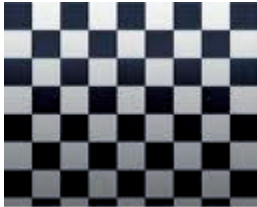
5.1.2 Component 15K 50Hz signal adjustment (COMP-SD)

	Adjustment item	Adjustment conditions	Adjustment procedure
1	Adjustment	[Signal] COMP 15K 50Hz (576i) 100% Full-field Colour Bar [Terminal] INPUT 3 COMPONENT	Feed the COMPONENT 15K 50Hz (576i) 100% Full-field Colour Bar signal (100% colour saturation) to INPUT 3 COMPONENT terminal.  ↑ 100% white ↑ Black
2	Auto adjustment performance	Process Mode page 4 (COMP SD)	1) At the related page, move cursor to [COMP SD ADJ], press ENTER. 2) [OK] appears when finished.

5.1.3 Component 33K 60Hz signal adjustment (COMP-HD)

	Adjustment item	Adjustment conditions	Adjustment procedure
1	Adjustment	[Signal] COMP 33K 60Hz (1080i) 100% Full-field Colour Bar [Terminal] INPUT 3 COMPONENT	Feed the COMPONENT 33K 60Hz (1080i) 100% Full-field Colour Bar signal (100% colour saturation) to INPUT 3 COMPONENT terminal.  ↑ 100% white ↑ Black
2	Auto adjustment performance	Process Mode page 5 (COMP HD)	1) At the related page, move cursor to [COMP HD ADJ], press ENTER. 2) [OK] appears when finished.

5.1.4 PC (ANALOG RGB) signal adjustment (PC-RGB)

	Adjustment item	Adjustment conditions	Adjustment procedure
1	Adjustment	[Signal] XGA 60Hz 100% Checkered Pattern [Terminal] PC INPUT	Feed the XGA 60Hz 100% Checkered pattern signal (100% colour saturation) to PC INPUT. *Please make sure SYNC is OFF. 
2	Auto adjustment performance	Process Mode page 6 (PC-RGB)	1) At the related page, move cursor to [RGB ADJ], press ENTER. 2) [OK] appears when finished.

5.2. White balance adjustment

	Adjustment item	Adjustment conditions	Adjustment procedure															
1	Adjustment	Brightness : MAX AV Mode: DYNAMIC Active Backlight : OFF Set the luminance meter on the center of the screen	For the details of white balance adjustment procedure, please refer to white balance adjustment spec for Kameyama model. 1) Confirm the set condition. 2) Connect the white balance jig. 3) Through RS-232C command, adjustment mode screen is displayed.															
2	Auto Adjustment performance	[command] Adjustment Mode KRSW0001 KKT10037 FACT0001 Setting KYOF0001 OSDS0001 SBSL16__ Multi point adj. Mode MSET0000 WBI20255 Point 2 WBI20229 MG2G**** MG2B**** MG2R**** Point 1 WBI10051 MG1G**** MG1B**** MG1R**** Write MSET0003 Set Max.Level MGMG**** MGMB**** MGMR****	[Adjustment Procedure] 1) Using the remote control, set the LCD TV to adjustment mode. 2) Measure Max brightness (Lmax). 3) Calculate min. brightness (Lmin)=Lmax/1000. 4) Measure Point 2 brightness (Lhigh). 5) Set the reference value R,G,B of Point 2 (Ref.2)=3664 x (229/P2) where P2=255 x [(Lhigh-Lmin)/(Lmax-Lmin)] ^{1/2.2} 6) Set the specified gradation for point 2, fix the most faint colour to get reference value, adjust others 2 colour to minus adjustment for reference value of point 2. 7) Measure Point 1 brightness (Llow). 8) Set the reference value R,G,B of Point 1 (Ref.1)=816 x (51/P1) where P1=255 x [(Llow-Lmin)/(Lmax-Lmin)] ^{1/2.2} 9) Set the specified gradation for point 1. Set G of point 1 to the default value [(Ref.1 x G value of point 2/Ref.2), with fractions rounded] and adjust RB to the reference value of point 1. 10)Set the G of point Max. to the default value (4080 x G value of point 2/Ref.2). Set the R,B Max. value [Gmax-G value of point 2 + (R,B value of pint 2)]. 11)Adjusted value is writing at [command] MSET0003. 12)Shut down the AC power. *Initial value at RGB 2 point : 3664 *Initial value at RGB 1 point : 816 [Adjustment Value] I Teaching set send by engineering dept is set as reference. [Reference value for adjustment reference] Equipment: Luminance meter [Minolta CA-210] <table><tr><td></td><td>Level</td><td>Spec Data</td><td>Adjustment Spec.</td><td>Inspection Spec.</td></tr><tr><td>Point 2 ref. values</td><td>229</td><td>x=0.281 y=0.288</td><td>±0.0010</td><td>±0.0020</td></tr><tr><td>Point 1 ref. values</td><td>51</td><td>x=0.272 y=0.277</td><td>±0.0045</td><td>±0.0090</td></tr></table> Ref. : For inspection, set the LCD TV as below. AV MODE: [DYNAMIC] (Reset) Aging Time: Minimum 60 minutes		Level	Spec Data	Adjustment Spec.	Inspection Spec.	Point 2 ref. values	229	x=0.281 y=0.288	±0.0010	±0.0020	Point 1 ref. values	51	x=0.272 y=0.277	±0.0045	±0.0090
	Level	Spec Data	Adjustment Spec.	Inspection Spec.														
Point 2 ref. values	229	x=0.281 y=0.288	±0.0010	±0.0020														
Point 1 ref. values	51	x=0.272 y=0.277	±0.0045	±0.0090														

6. Factory setting

AC power is plug off after shipment setting is done.

CAUTION: Do not plug on again after shipment setting is done. If do, please re-do the shipment setting. Do not off with remote control.

Adjustment item	Adjustment condition	Adjustment procedure
Factory setting	AC power off to exit the factory setting.	[Factory setting with adjustment process mode] 1) Enter the adjustment process mode. 2) Move the cursor to [Factory init] on page 2/10. 3) Press "ENTER" to execute 4) After a while, "OK" display appears and background colour is green, the setting is completed.
		The followings are initialized to factory setting 1) User setting 2) Channel data (e. g. broadcast frequencies) 3) Manufacturer's option settings 4) Password data 5) Setting values are set based on model destination

[2] USB Clone (Smart Loader)

1. Description

The Smart Loader is a function implemented in the service software to easily replicate the user settings of one TV into another.

These settings include (but not restricted to): picture and audio, turning set-up, language and country selection, PIN, child locked programs etc.

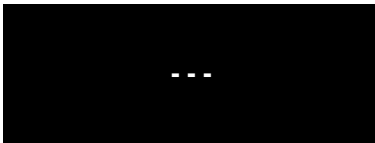
Factory adjustments are not copied as they are different for every TV.

The Smart Loader makes possible the user data to be stored in a memory device connected to the USB terminal of the TV that is used as reference and later load those data into other TVs by using their respective USB terminal.

2. How it works

1. Enter USB clone menu (Smart Loader)

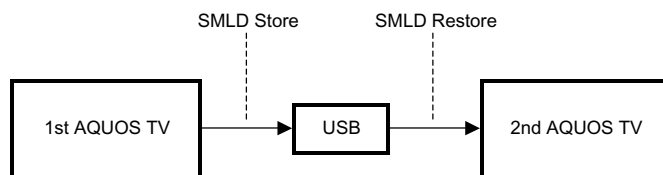
- i) Press panel key [TV/VIDEO] and [VOL+] and AC on, it will go to password entry OSD



- ii) Enter digit "369" then it will go to Smart Loader Menu



2. Smart Loader function



- i) SMLD Store
 - To copy all related data from TV -> USB and put under a fixed filename "SHP_SMLD.bin" (8kB).
- ii) SMLD Restore
 - To restore the related data from USB -> TV.
- iii) SMLD Store and Restore execution
 - To execute SMLD Store or SMLD Restore, highlight at selected item and press Enter.
 - When copying is in process, "WAIT" is displayed.
 - After cloning process is done, "OK" is displayed.
 - If cloning process is not finished due to error (e.g. no pendrive detected), "NG" is displayed.

3. Exit USB Clone menu (Smart Loader)

- i) To exit Smart Loader menu, plug off AC Cord.

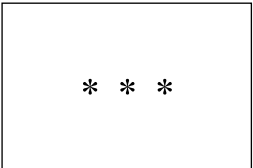
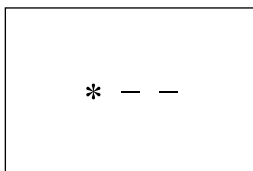
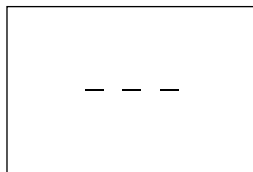
[3] PUBLIC MODE SETTING PROCEDURE

1. How to start Public Mode

- There are the following two ways to get the public mode setup screen displayed.

①

- Press the "INPUT" and "VOL (+)" keys on the set at once and turn on the power.
- Get the password input screen displayed.



Procedure

- The input starts with the leftmost digit.
- Use the numeric keys [1] thru [9] and [10/0] keys on the remote controller. The other keys are not acceptable.
- With a numeric-key input, "-" will change to "*". The input position will move one digit to the right.
- With all the 3 digits entered, the password will be verified.

- The 3-digit password is now verified.

The password [0] [2] [7] provides for the public mode screen. (This screen comes on with whatever adjustment process settings.)
With any other passwords, the screen changes to the normal mode.

②

In the adjustment process mode, turn on "PUBLIC MODE". Also press the "CH (^)" and "VOL (+)" keys on the set at once and turn on the power.

2. How to exit Public Mode

There are the following ways to quit the public mode setup screen.

- Turn off "PUBLIC MODE" in the adjustment process mode. (☆) ← This way alone is not for quitting the setup screen, but for quitting the mode by itself.
- Turn off the power with the "POWER" key. (★)
- Select "EXECUTE". (★)

★ ●● "PUBLIC MODE" stays on in the adjustment process mode.

☆ ●● The settings will be back to the factory ones.

3. Public Mode Setting Values

- With the factory settings made, the public mode settings get initialized. (The adjustment process remains intact.)

4. Public Mode Menu

The guidance is not displayed onscreen.

Setup procedure

- To move the cursor up and down, use the "cursor UP/DOWN" key (remote controller) and "CH (\wedge)/(\vee)" key (remote controller and set).
- To change the settings, use the "cursor RIGHT/LEFT" key (remote controller) and "VOL (+)/(-)" key (remote controller and set).
- To save new settings, keep the cursor at "Execute" and use the "cursor RIGHT/LEFT" key (remote controller) and "VOL (+)/(-)" key (remote controller and set).

PUBLIC MODE		
POWER ON FIXED	[VARIABLE]	
MAXIMUM VOLUME	[VARIABLE 60]	
VOLUME FIXED	[VARIABLE]	
VOLUME FIXED LEVEL	[20]	
RC BUTTON	[RESPOND]	
PANEL BUTTON	[RESPOND]	
MENU BUTTON	[RESPOND]	
ON SCREEN DISPLAY	[YES]	
BLUE SCREEN	[NO]	
INPUT MODE START	[NORMAL]	
INPUT MODE FIXED	[VARIABLE]	
232C POWON	[DISABLE]	
START UP SCREEN	[OFF]	
PICTURE IMPORT	[OFF]	
RC PATH THROUGH	[OFF]	
RESET		
EXECUTE		

<Example of image>

5. On Setting Items

1. POWER ON FIXED

Selection	Variable/Fixed
Default	Variable
Explanation	When set to "Fixed", the power cannot be turned off with the power key on the remote control or main unit, and the image reception state is kept (it does not enter the standby state). The power can be turned off by shutting off power supply from AC.
Limit in setting	<ul style="list-style-type: none"> Power key on the main unit/remote control power supply key OFF timer/ON timer
Exception	None
Remarks	<ul style="list-style-type: none"> Selection of "FIXED" assumes use of STB, etc. When set to "Variable", if the main power switch is set to off, the power is turned off after a wait of 1 second. (Push-push switch only) Display ON/OFF in the hotel menu is controlled by the adjustment process "HOTEL POWERFIX". When the power button is operated, a caution is displayed (it times out in 5 seconds). (For the caution, refer to the power on fixed message sheet.) * The caution is not displayed when in the adjustment process, hotel menu, default setting, MCL operation and auto preset (Ch search operation). The OSD display including the menu and this caution have priority over all others. When "OSD display" (described below) is set to "Variable", this caution is displayed as a special case.

2. MAXIMUM VOLUME

Selection	Adjustment from 1 to 60 (no loop)
Default	60
Explanation	Sound volume can not be adjusted higher than the preset value.
Limit in setting	<ul style="list-style-type: none"> When the sound volume is set lower than 59, only figures are displayed and the sound volume bar is not displayed. The maximum sound volume for ON-timer (Wake up timer) is limited also to the preset value.
Exception	<ul style="list-style-type: none"> In the item "VOLUME" of adjustment process, the sound volume can be set freely irrespective of this setting.
Remarks	<ul style="list-style-type: none"> Setting is valid only for the speakers of the unit. (As for the headphone, the sound volume can be set up to 60 irrespective of the limit.) In line output (sound volume variable), the sound volume can be adjusted from -60 to 0 irrespective of pre-adjusted value. When the sound volume is set higher than the MAX setting by the adjusting process or headphone, the sound volume control operation is prohibited for turn-up and the sound volume should be turned down to MAX in this state.

3. VOLUME FIXED

Selection	Selection between "Variable" and "Fixed" (loop provided)
Default	Variable
Explanation	Sound volume is fixed and made invariable.
Limit in setting	<ul style="list-style-type: none"> The sound volume for the ON-timer (Wake up timer) is fixed also without display of menu. Besides, the setting is made impossible. (Basically, the menu is not displayed.) The following keys become invalid: <ol style="list-style-type: none"> 1) Sound volume Up/Down (VOL +/-) [for both remote control and the unit] 2) Mute (MUTE)
Exception	<ul style="list-style-type: none"> In the item "VOLUME" of adjustment process, the sound volume can be set freely irrespective of this setting.
Remarks	<ul style="list-style-type: none"> In "Variable" setting, the sound volume had been conventionally set at 1 but this operation has been abolished (and follows the last memory). The sound volume for the ON-time is not set at 1 either and the sound volume set value of the ON-timer before the hotel mode is executed. Setting is valid only for the speakers of the unit. (As for the headphone, the sound volume can be set up to 60 irrespective of the limit.) In line output (sound volume variable), the sound volume can be adjusted from -60 to 0 irrespective of pre-adjusted value. As for sound volume fixing and sound volume MAX level, the sound volume fixing has priority. Once the sound volume has been changed by adjustment process or headphone, it should be set back to the sound volume preset by sound volume fixing level when the adjustment process ends or when the headphone is removed.

4. VOLUME FIXED LEVEL

Selection	Adjustment from 1 to 60 (no loop)
Default	20
Explanation	The sound volume to be fixed by "Volume fixed" is determined.
Limit in setting	None
Exception	None
Remarks	Setting is valid only when "Volume fixed" is selected for "fixed". This must be confirmed actually by changing also the sound volume in accordance with setting.

5. R/C BUTTON

Selection	Selection between "Respond", "Limited" and "No respond" (loop provide)
Default	Respond
Explanation	Acceptability of keys by remote control is limited or reception of keys can be prohibited.
Limit in setting	<ol style="list-style-type: none"> 1) In "limited" setting, only power ON/OFF, sound volume ▲ ▼, tuning ▲ ▼ and BACKLIGHT (brightness sensor) are accepted. 2) In "No respond" setting, all the keys (including the power key) are not accepted.
Exception	<ul style="list-style-type: none"> Adjustment process, factory setting, inspection process and hotel only keys are valid irrespective of setting. All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

6. PANEL BUTTON

Selection	Selection between "Respond" and "No respond" (loop provide)
Default	Respond
Explanation	All the operations by keys (except the power key) of the unit can be invalidated.
Limit in setting	
Exception	<ul style="list-style-type: none"> Inspection mode and hotel menu mode can be started irrespective of setting. All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

7. MENU BUTTON

Selection	Selection between "Respond" and "No respond" (loop provide)
Default	Respond
Explanation	In "No respond" setting, the menu operation by the menu key of the remote control and the menu key of the unit is invalidated.
Limit in setting	<ul style="list-style-type: none"> ON-timer (Wakeup Timer) is turned OFF. The following keys become invalid. Wake-up timer and clock setting keys and all of the direct change keys to menu display
Exception	<ul style="list-style-type: none"> Inspection mode and hotel menu mode can be started irrespective of setting. All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

8. ON SCREEN DISPLAY

Selection	Selection between "Yes", "No" (loop provide)
Default	Yes
Explanation	The following OSD displays are made ineffective. Displays of menu group, channel call, sound volume bar and direct key call
Limit in setting	<ul style="list-style-type: none"> Set time of the OFF-timer (SLEEP TIMER) is cleared. Setting of the no-signal power-OFF (AUTO POWER OFF) is cleared to "OFF". Setting of the no-operation power-OFF is cleared to "OFF". Keys falling under any of the following items become invalid. <ol style="list-style-type: none"> 1) Appearance of screen changes and the sound changes. 2) Personal functions which are hard to restore. Ex.) Screen display, menu, OFF-timer, ON-timer, AV MODE, screen size switching, clock setting, treble emphasis, AUDIO ONLY, sound changeover, LANGUAGE, CLOSED CAPTION
Others	<ul style="list-style-type: none"> Simple input switching is generated. Those which are restored soon after leaving as they are and may be requested for change by customer are not prohibited. Ex.) Brightness sensor (BACKLIGHT) and PIC. FLIP
Exception	<ul style="list-style-type: none"> Such a caution which is displayed independently is displayed as it is. Non-responding signal caution, TELE TEXT caution and power-ON fixing caution

9. BLUE SCREEN

Selection	Selection between "Yes", "No"
Default	No
Explanation	When no signal inputs, selecting the background color. Selected to "Yes"---Blue screen Selected to "No"---No Blue screen

10.INPUT MODE START

Selection	Selection between "Normal", "TV (CH~)" "INPUT1~8" (loop provide)
Default	Normal
Explanation	In power-ON, the input source to be started or channel can be set. (In standard mode, the operation follows the last memory.)
About options	<ul style="list-style-type: none"> All the input sources in the model are made selectable. When the input/output switchable input source is selected and the input source is set to output, the setting of input/output switching is changed to input at the execution of hotel menu. In addition, the input/output switching by menu is prohibited. In TV mode, the display of all channels is stopped and it is treated as an input source. At this time, the channel to be set follows the last memory and the content of the last memory is included in the notation by options. Ex.) TV (CH2), TV (CH4) etc. The order of appearance of options in the hotel menu should agree with the order of toggles by input switching key.
Limit in setting	<ul style="list-style-type: none"> The display of channel setting menu and the channel setting operation are prohibited (except for MCL).
Exception	None
Remarks	<ul style="list-style-type: none"> In setting at "Normal", the setting of "Input mode fixed" is changed to "Variable" and selection should be prohibited.

11.INPUT MODE FIXED

Selection	Selection between "Variable" and "Fixed" (loop provide)
Default	– (Variable)
Explanation	The input mode is fixed at the input source or the channel set at the "Input mode start" in 9 and other input sources and channels can be made non-selectable.
Limit in setting	<ul style="list-style-type: none"> With the execution of hotel mode, the input source is forced to change to that set by "Input mode start" and the channel switching and input switching are prohibited thereafter. The following keys are invalidated. CH ▲ ▼, direct tuning button, FLASHBACK, input *However, the keys (input switching and CH ▲ ▼, keys) of the unit for menu operation remain valid.
Exception	None
Remarks	<ul style="list-style-type: none"> In the following case, setting is cancelled and mode is changed to "Variable". ① When the setting of "Input mode start" is set to "Standard (Normal)"

12.232C POWON

Selection	"Enable" and "Disable"
Default	Disable
Explanation	When in the standby state, power ON by the RS-232C command is enabled or disabled.
Limit in setting	None
Exception	None
Remarks	RS-232C power ON command "POWR1__ _ _ _ ⏏"

LC-22DC30M

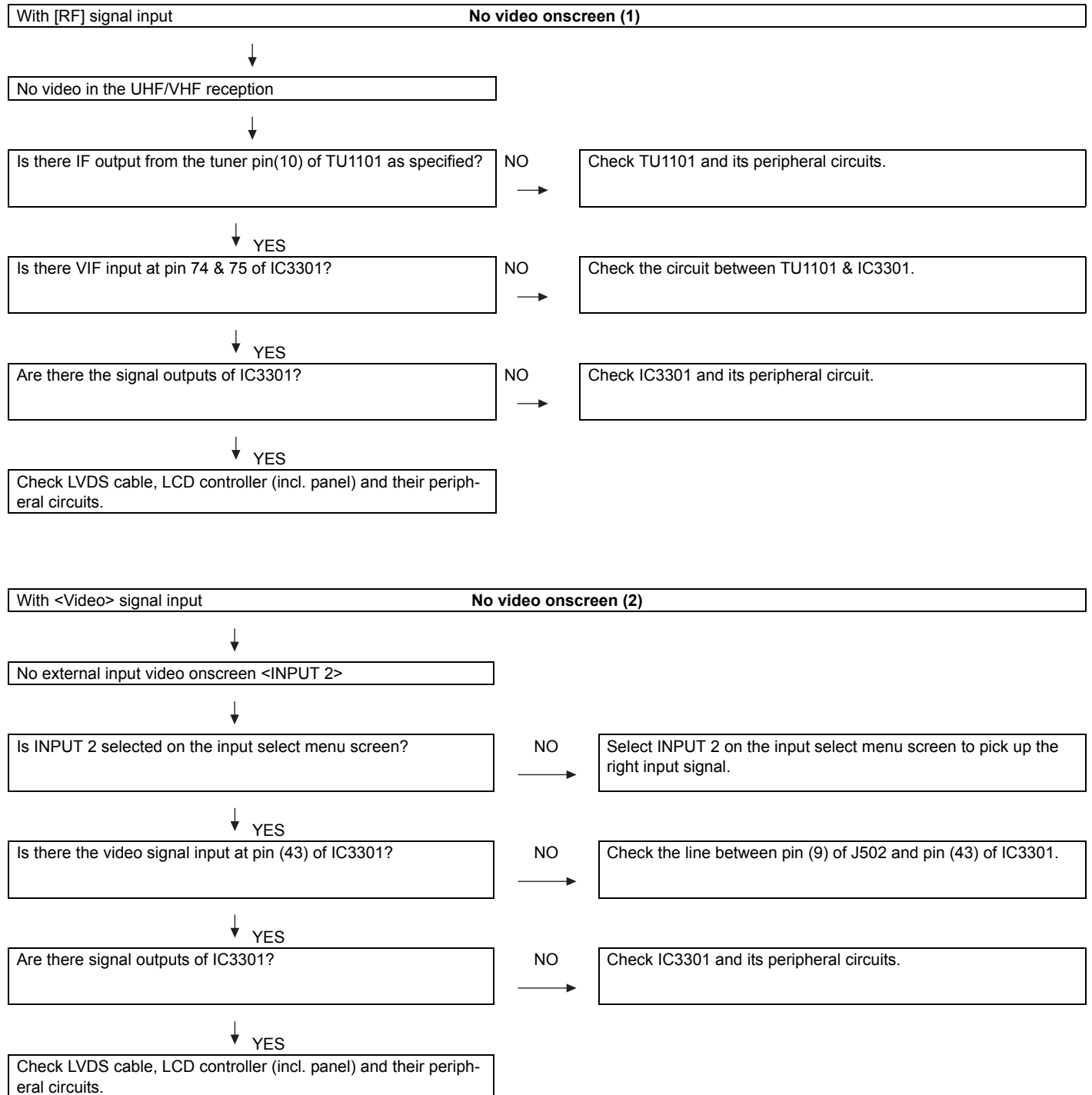
13.RC PATH THROUGH

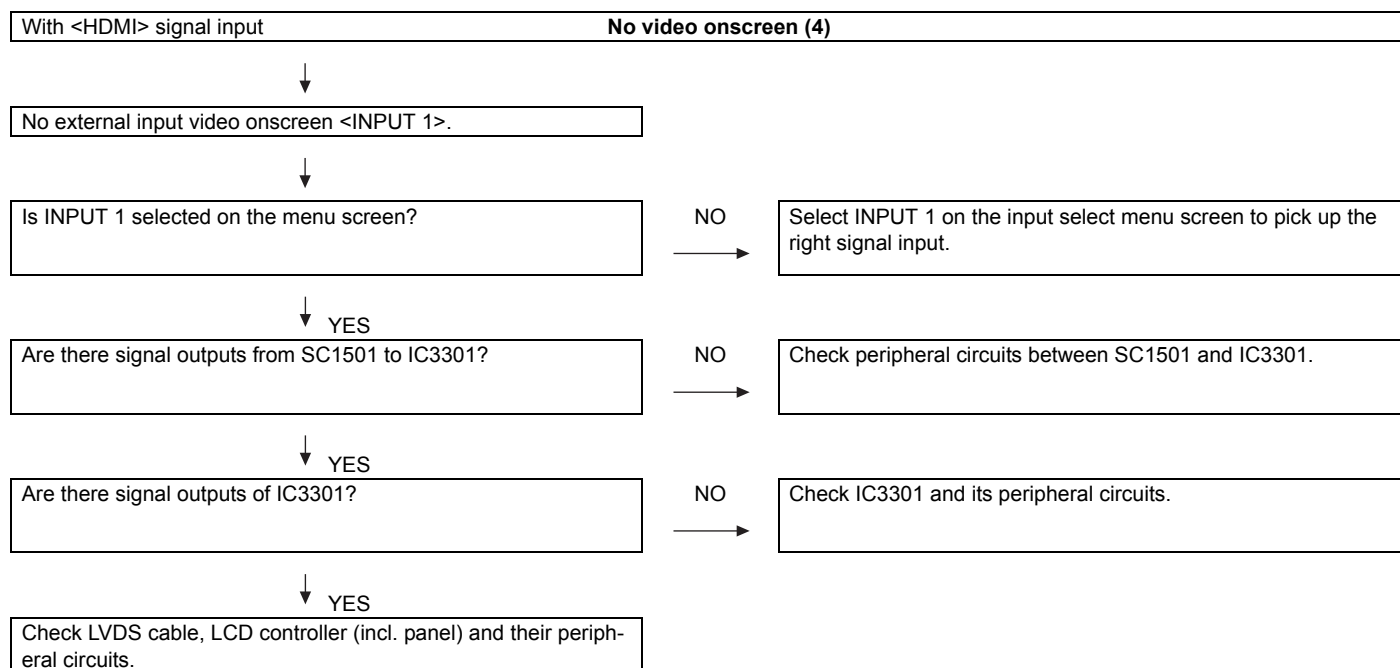
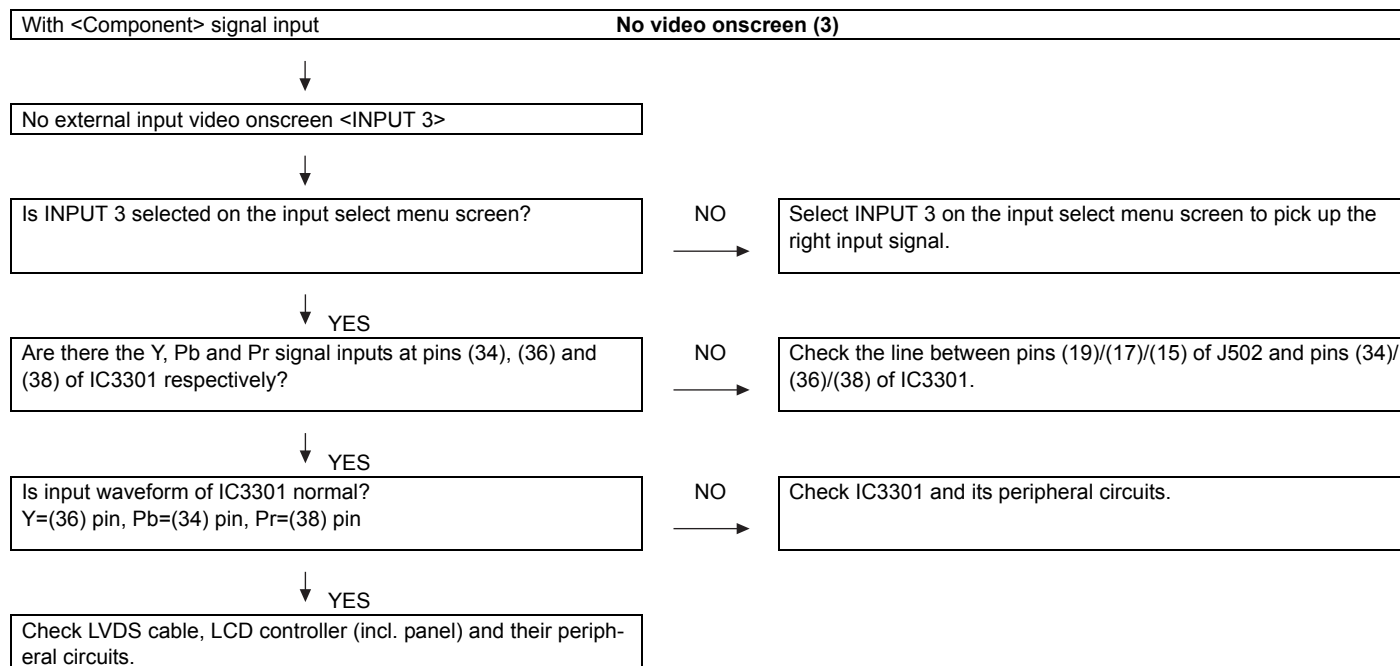
Selection	"Off", "On: TV RCE", "On: TV RCD"
Default	Off
Explanation	Remote control signal output from the pin 9 of the RS-232C terminal and signal reception is enabled or disabled. When set to "ON: TV RCE", TV also receives signals. With "ON: TV RCD", the remote control signal is output from the pin 9, but TV does not respond to the remote control.
Limit in setting	When set to "ON: TV RCD", TV does not accept the remote control.
Exception	None
Remarks	

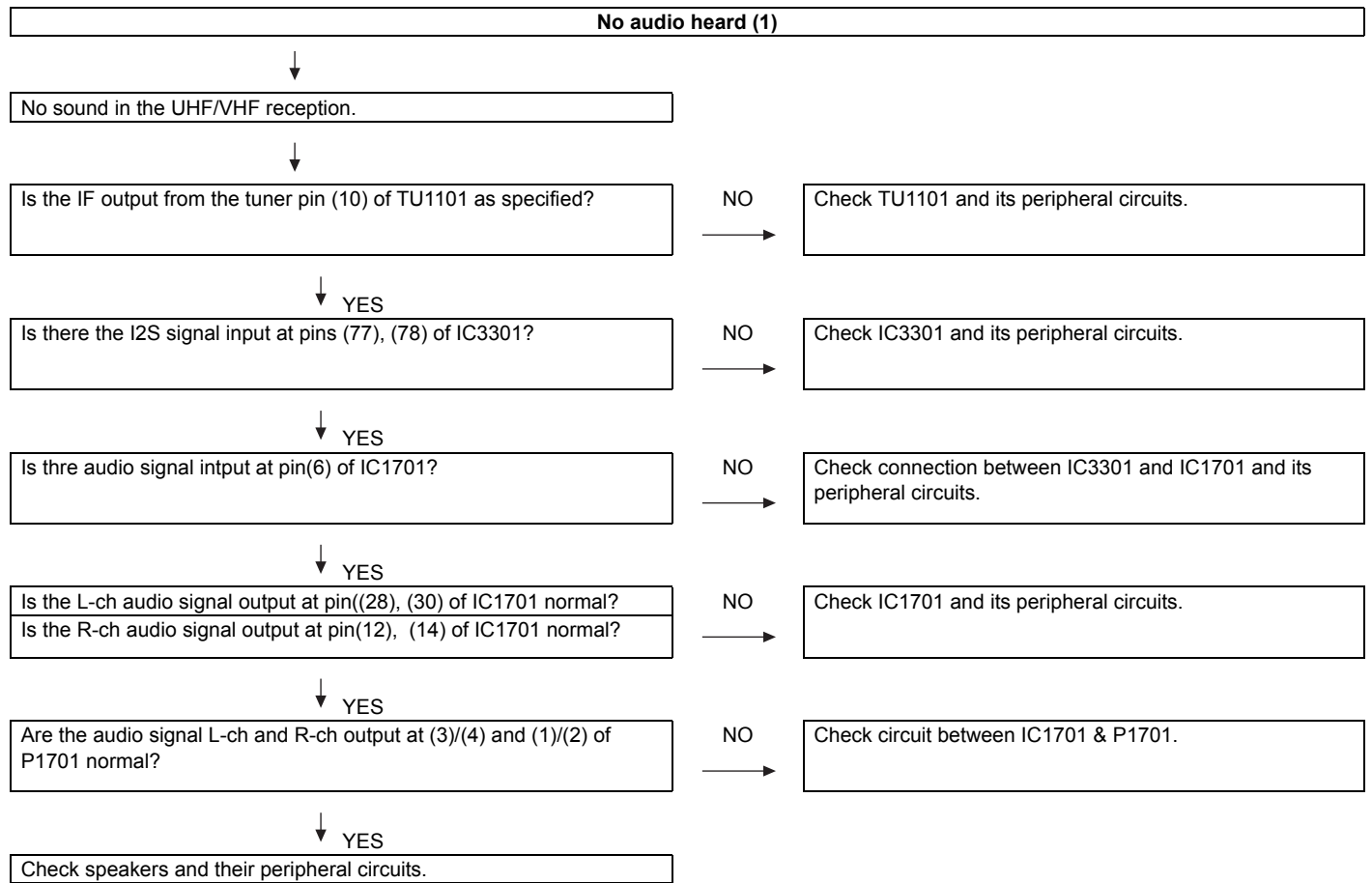
CHAPTER 6. TROUBLESHOOTING TABLE

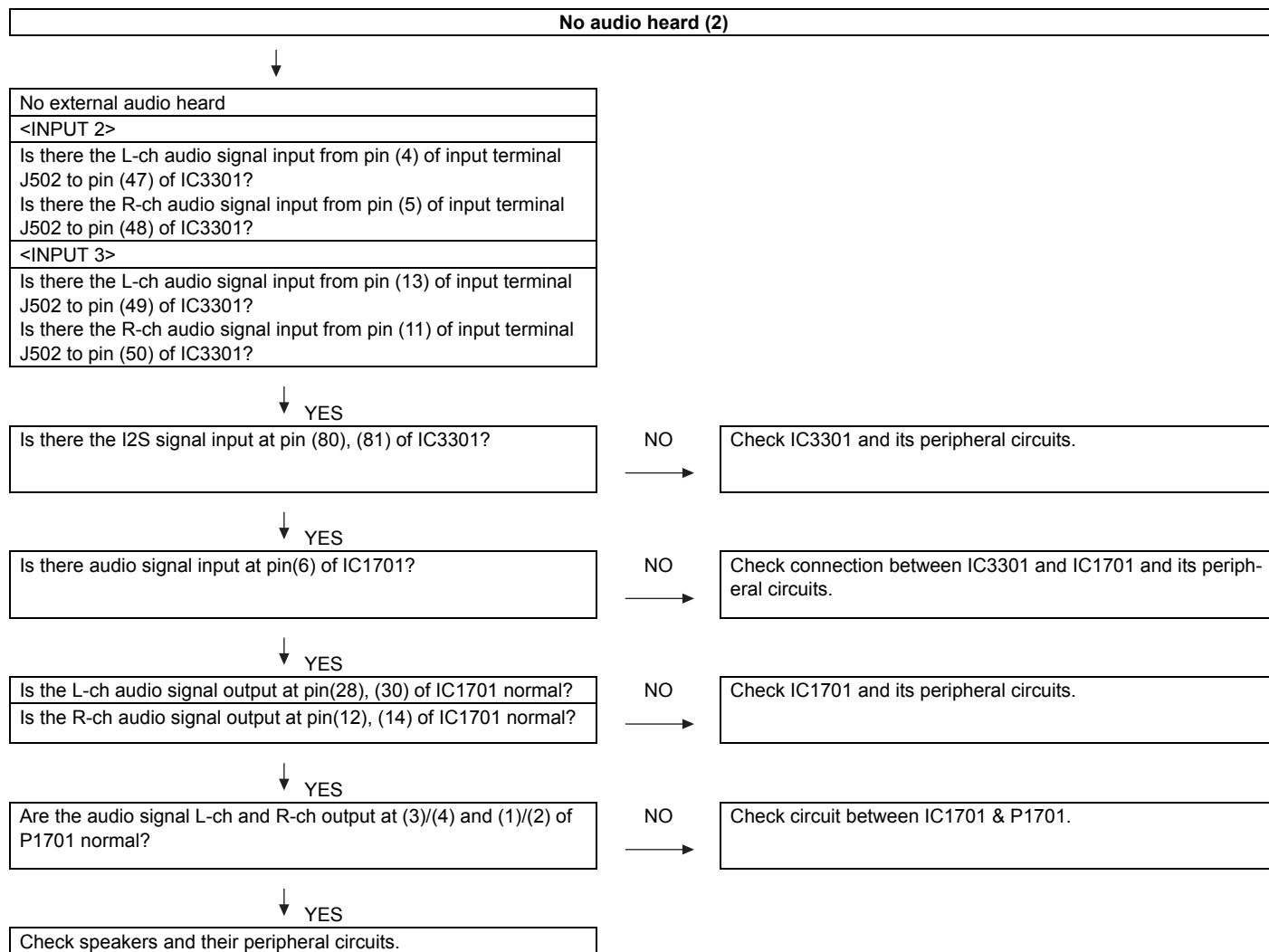
[1] TROUBLESHOOTING TABLE

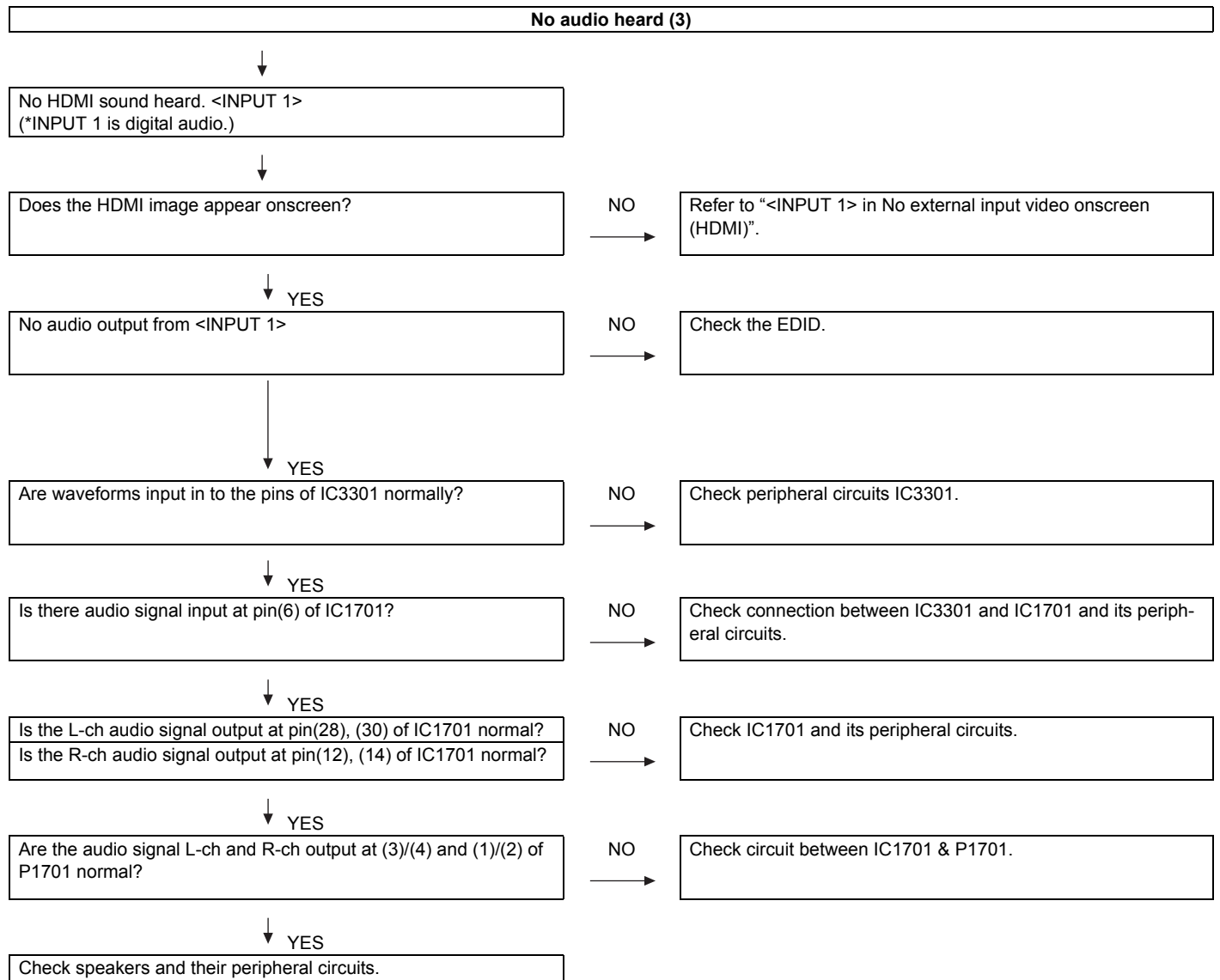
No power (front LED failure to light up) or no startup (front LED failure to turn from red to green)		
↓		
Is the AC cord connector tightly connected to the set?	NO →	Reconnect the AC cord tightly and turn on the power again.
↓ YES		
Are the wire harnesses and other cables properly connected in the set?	NO →	Reconnect the wire harnesses and other cables properly in the set.
↓ YES		
Is there the AC_CTRL and PNL_POWER signal input at pins (126) and (127) of IC3301?	NO →	Check the AC_CTRL signal line PNL_POWER signal line.
↓ YES		
Are the DC/DC converter outputs and the output voltages along the control lines as specified?	NO →	Check the DC/DC converters and the control lines. Replace defective parts as required.
1) M+5.6V (IC9603) 2) D+1.26V (IC9605) 3) D+5V (IC9610) 4) T+5V (IC9612) 5) D+3.3V (IC9608) 6) D+1.8V (IC9609) 7) D+2.5V (IC9611)		

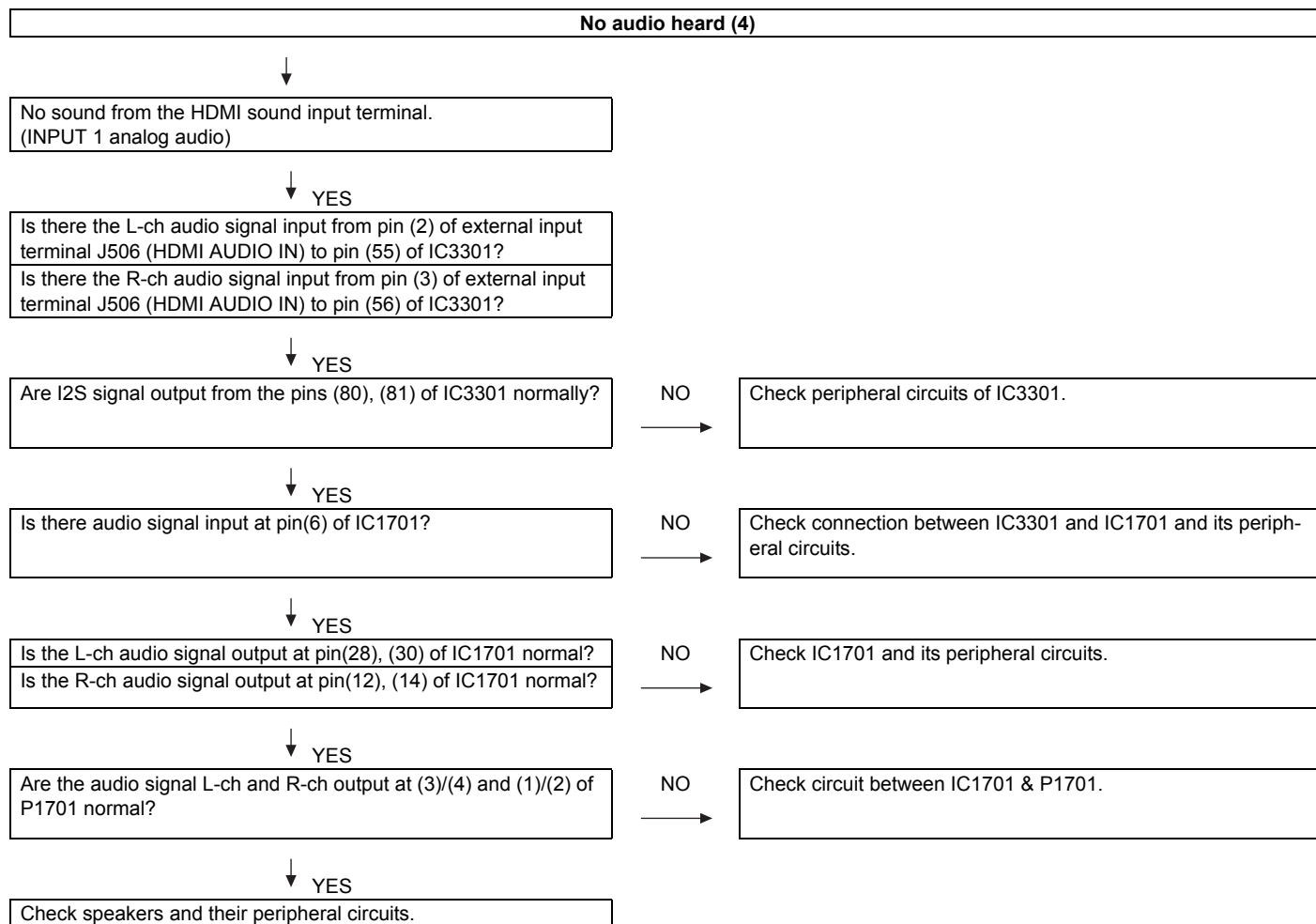


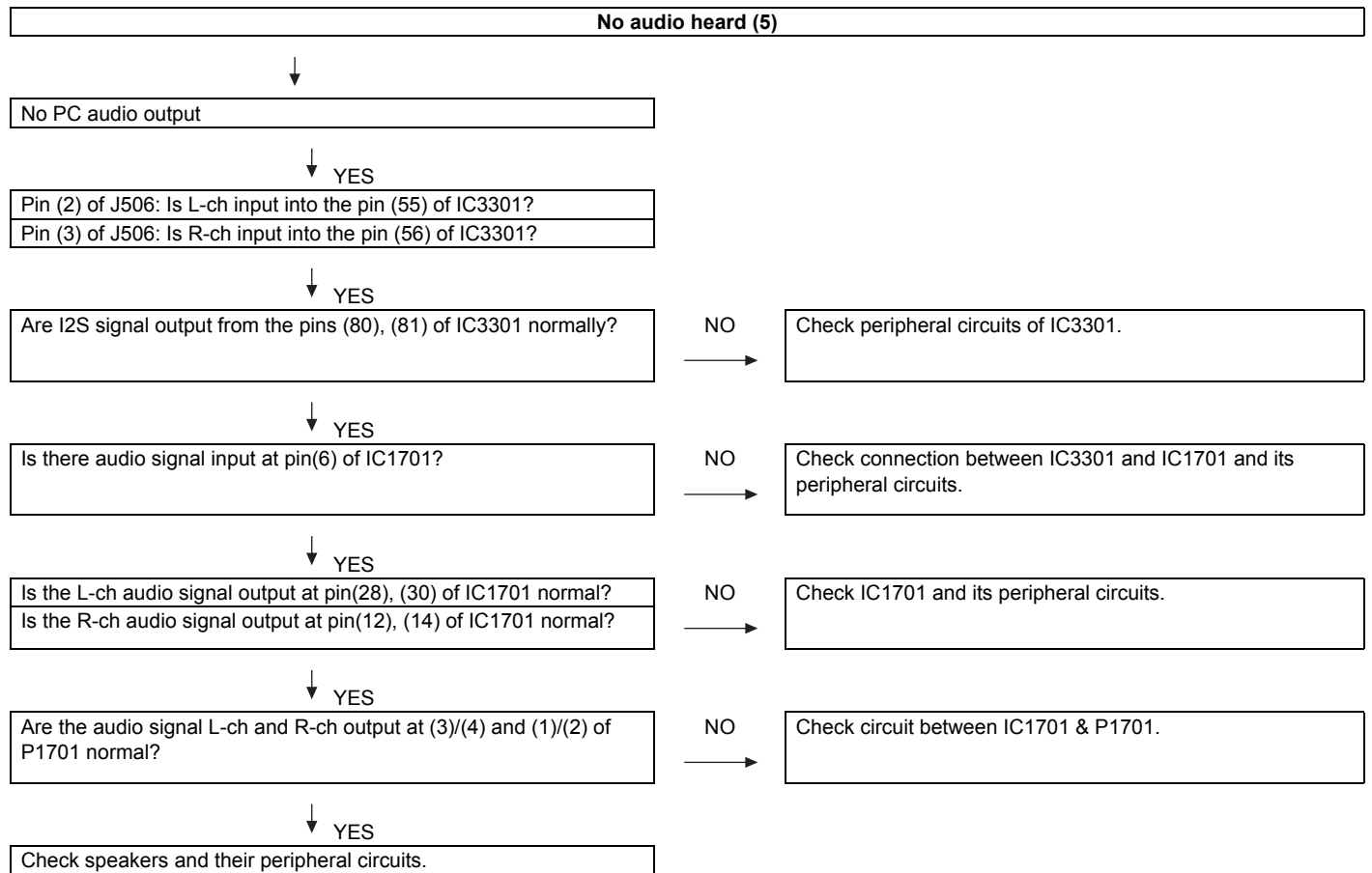






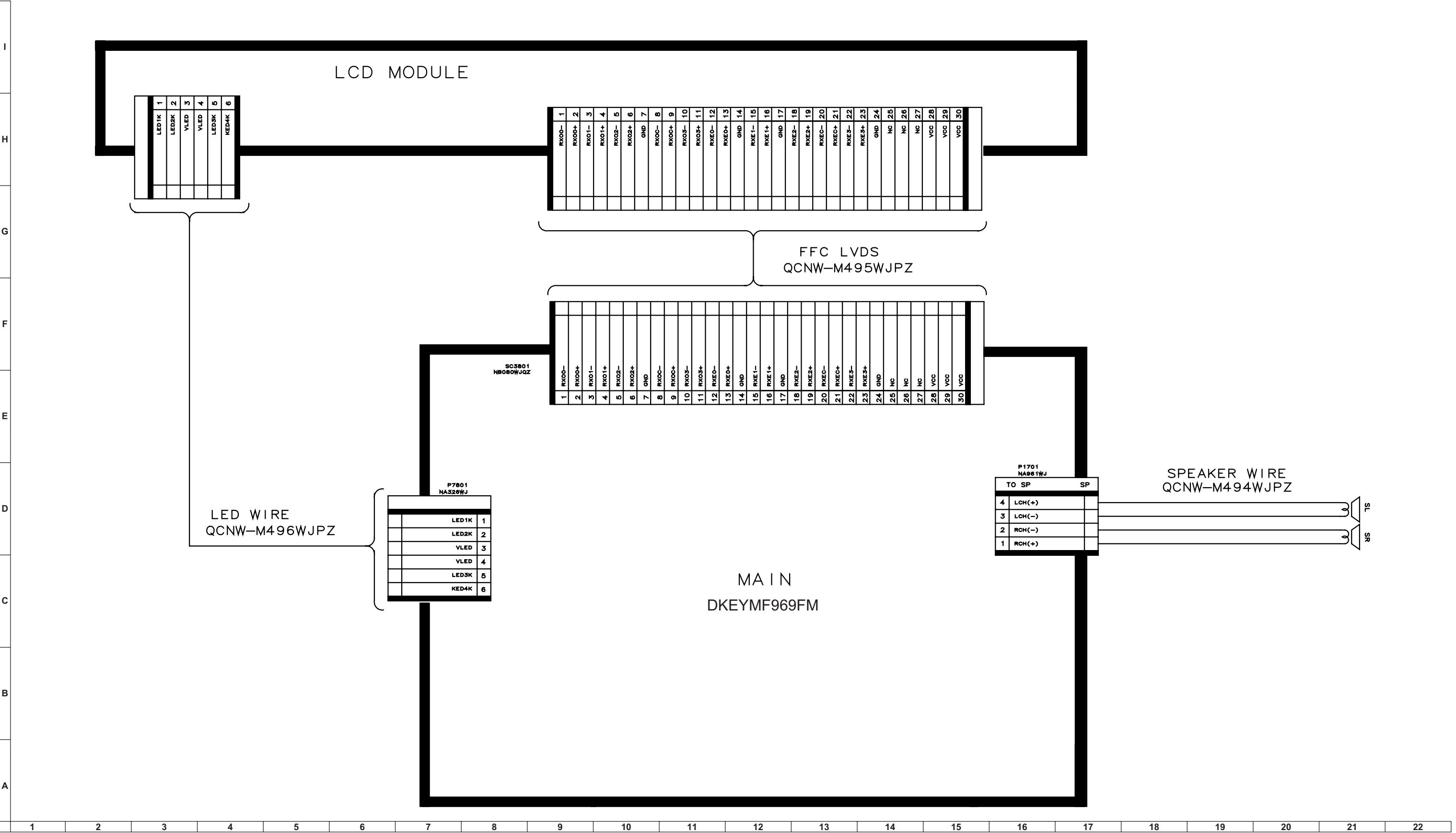


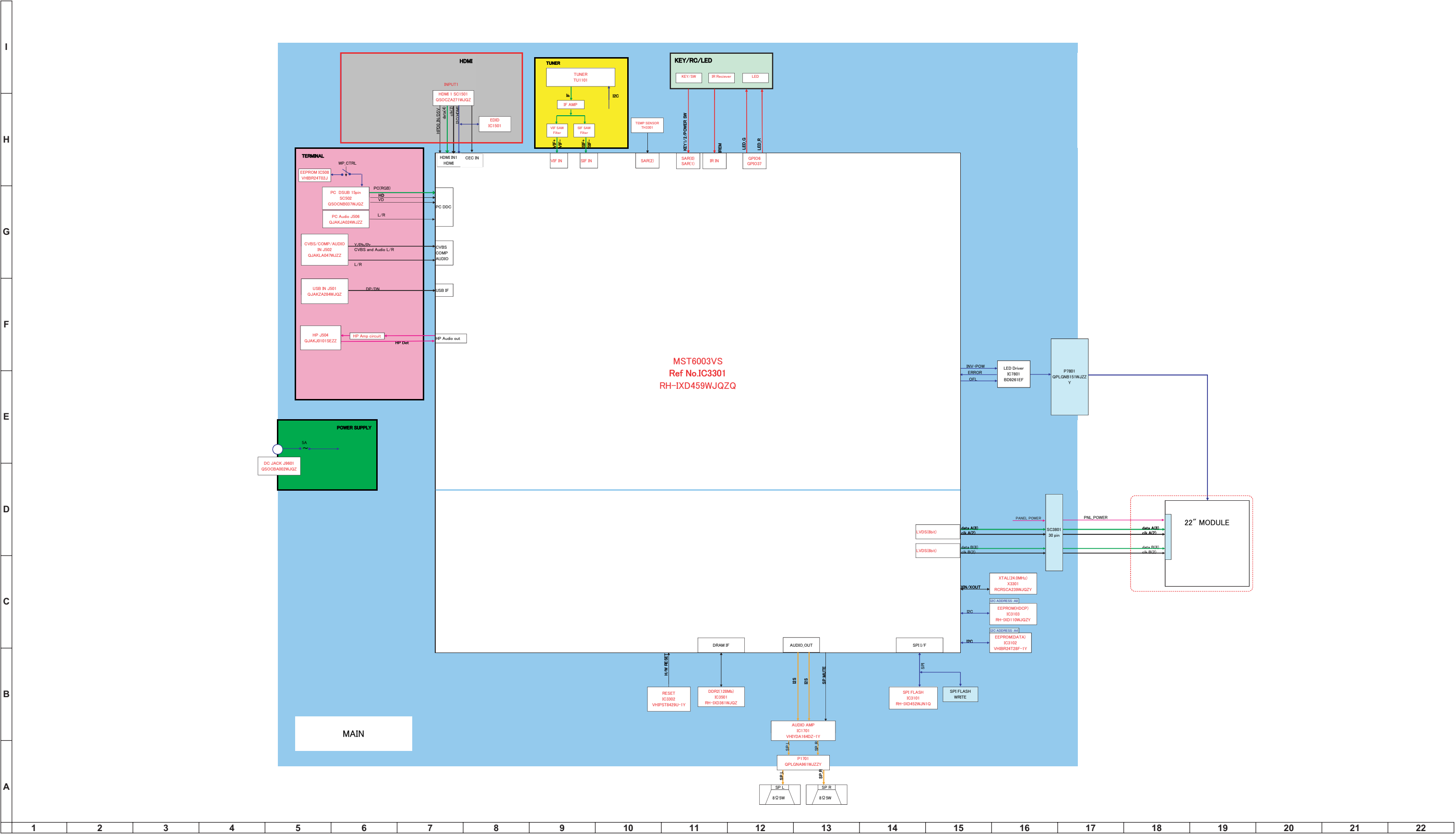




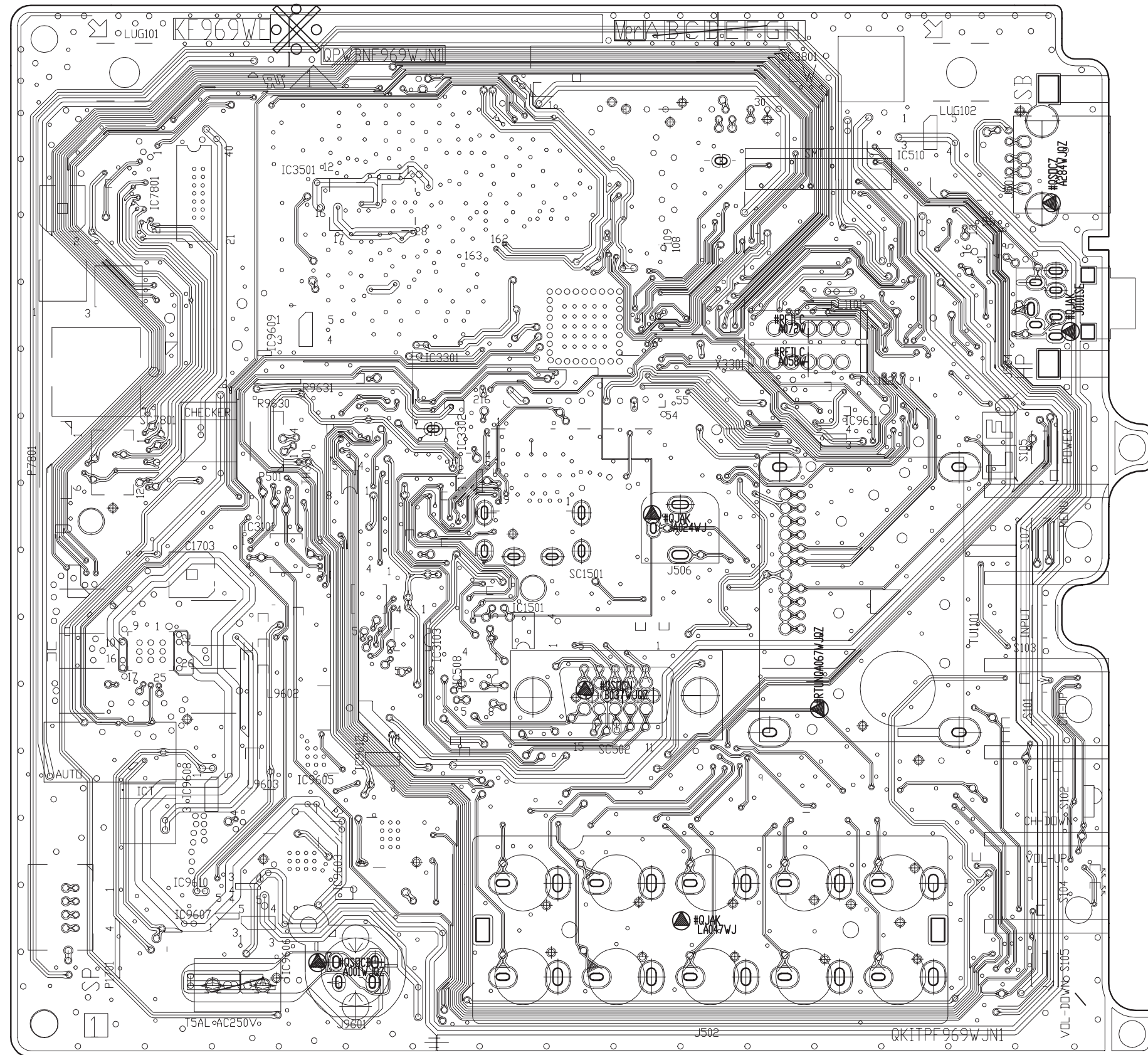
CHAPTER 7. OVERALL WIRING/BLOCK DIAGRAM

[1] OVERALL WIRING DIAGRAM

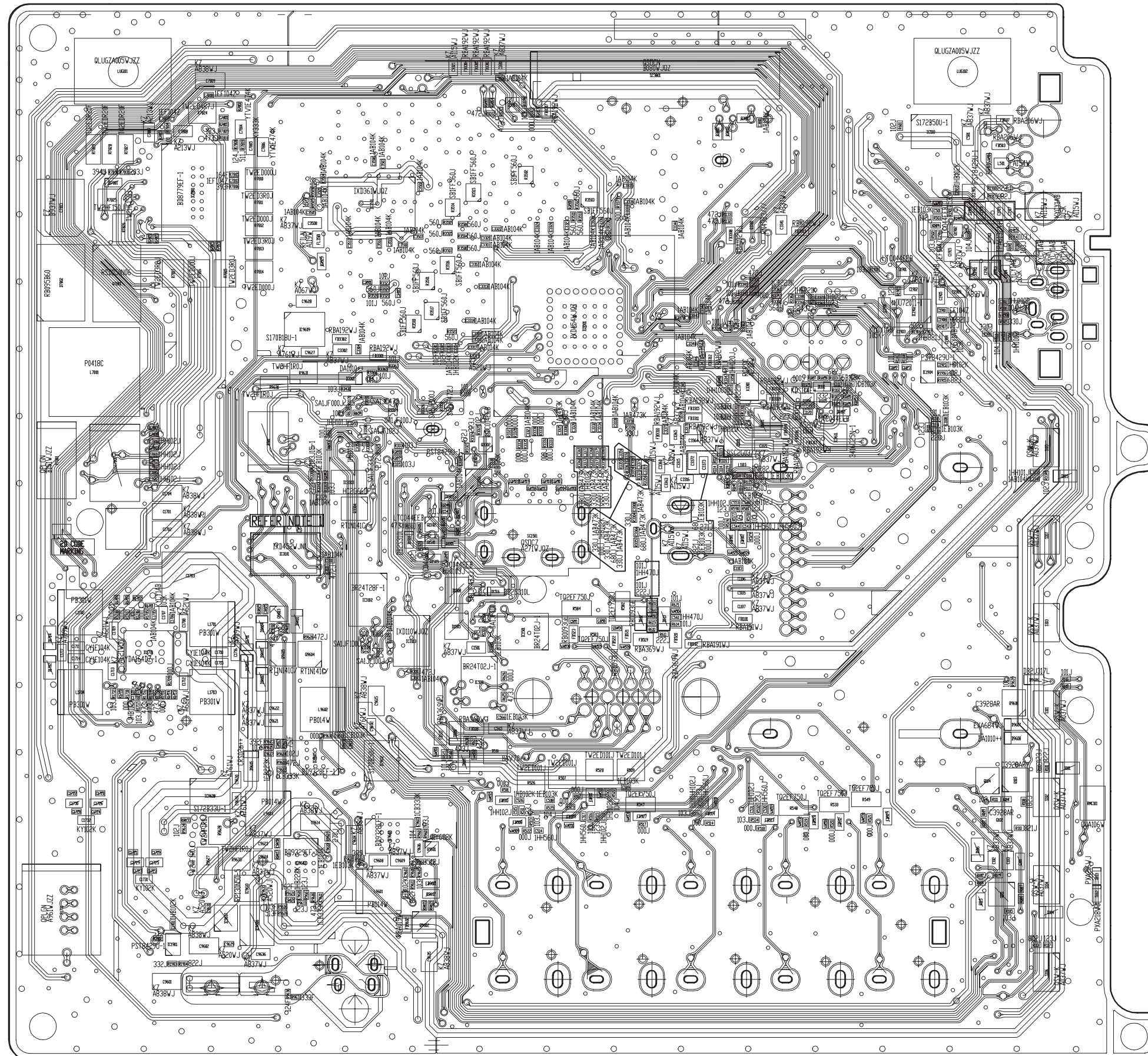




MAIN Unit (Side-A)



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----



CHAPTER 9. SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

1. VOLTAGE MEASUREMENT CONDITION:

1) The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 110-240V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

2. INDICATION OF RESISTOR & CAPACITOR:

RESISTOR


- 1) The unit of resistance "Ω" is omitted.
(K=kΩ=1000Ω, M=MΩ).
- 2) All resistors are ± 5%, unless otherwise noted.
(K= ± 10%, F= ± 1%, D= ± 0.5%)
- 3) All resistors are 1/16W, unless otherwise noted.

CAPACITOR

- 1) All capacitors are μF, unless otherwise noted.
(P=pF=μμF).
- 2) All capacitors are 50V, unless otherwise noted.

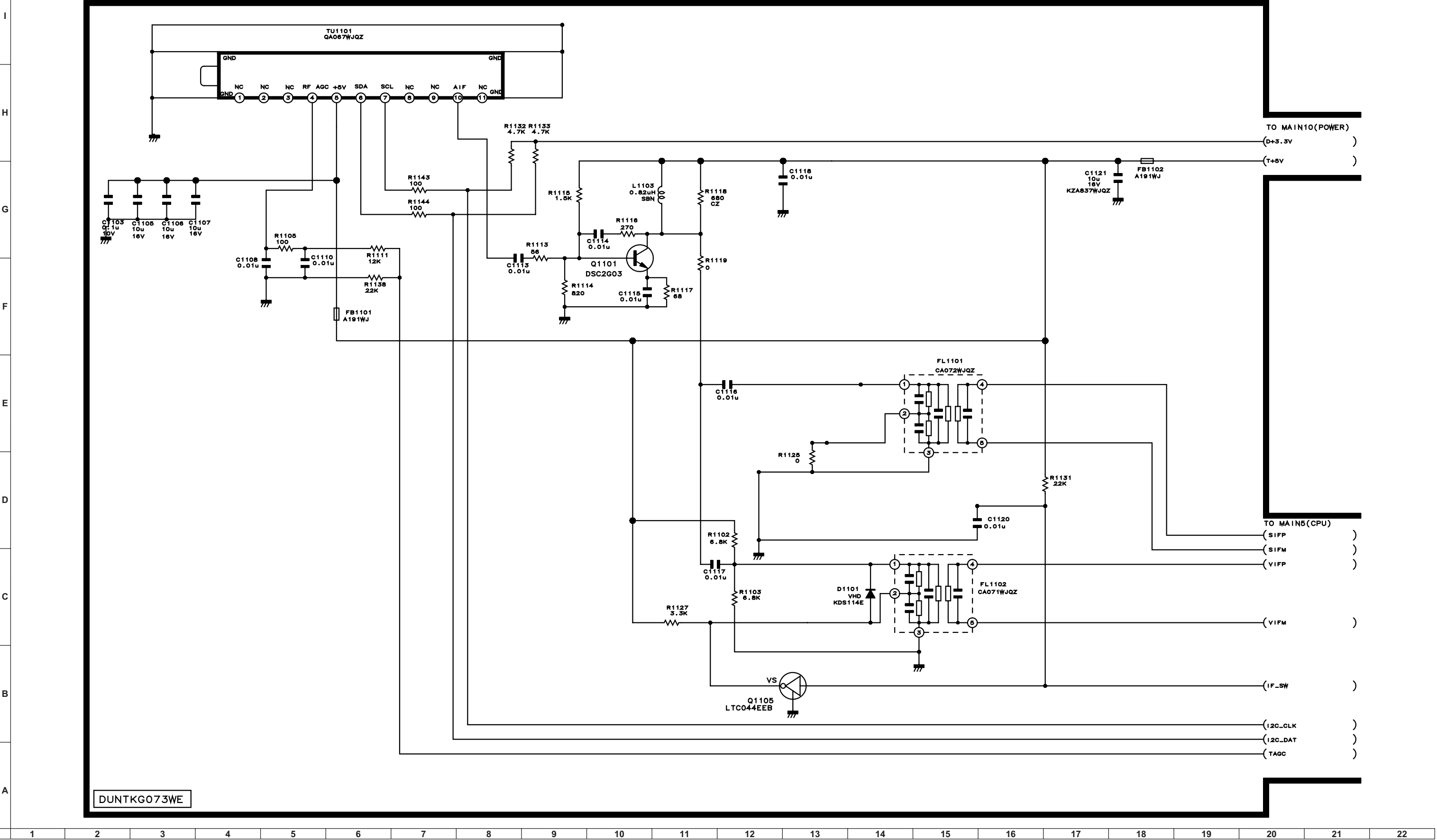
CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:
1) DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2) SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH " ⚠ " () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

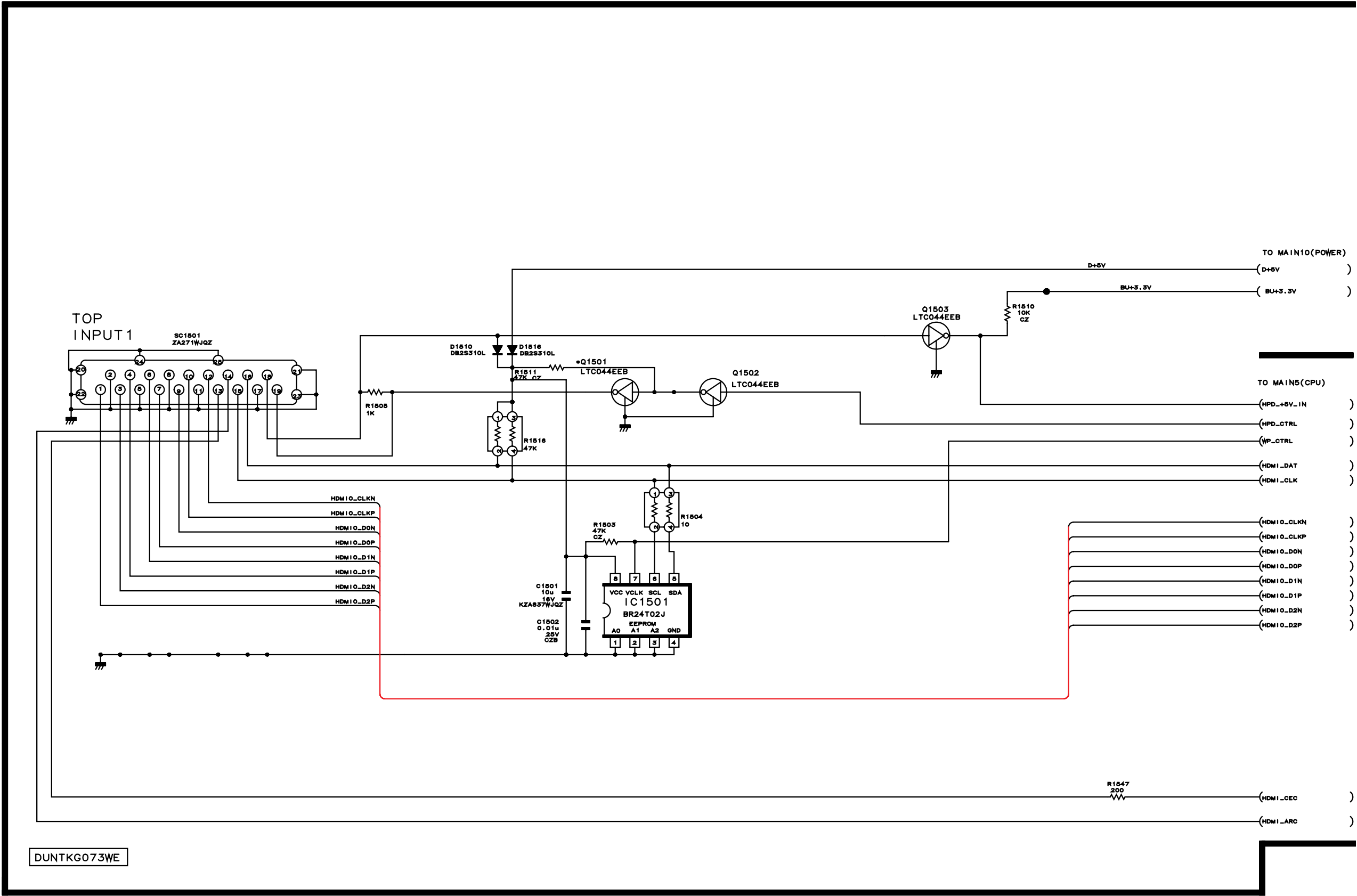
MAIN1 (TUNER)

PP(2011.11.21)



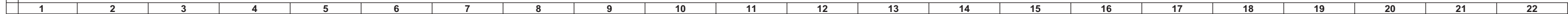
MAIN2 (HDMI-TERM)

PP(2011.10.06)



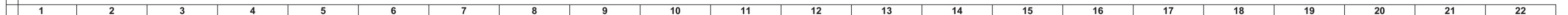
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PP(2011.09.23)





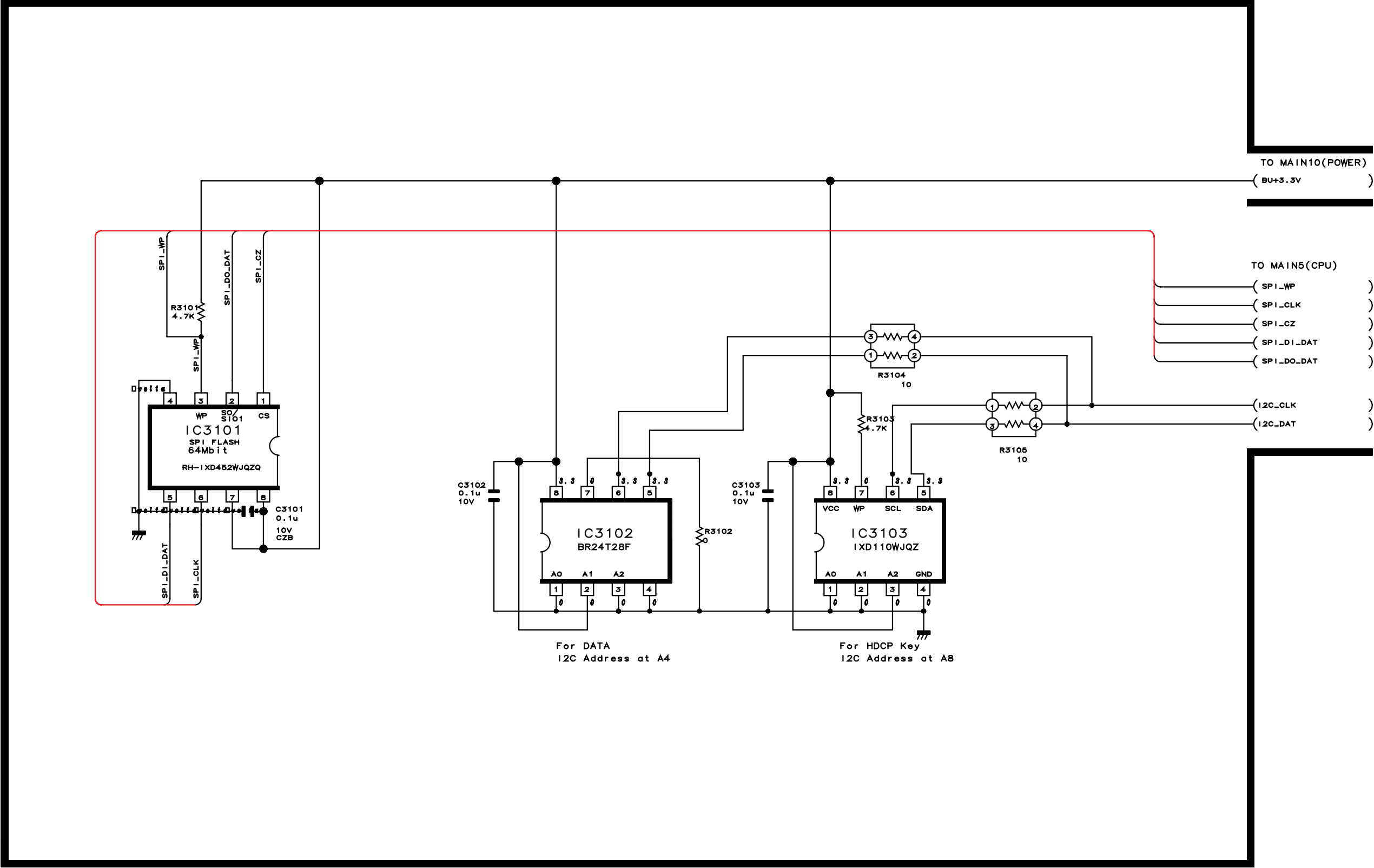
PP(2011.05.13)

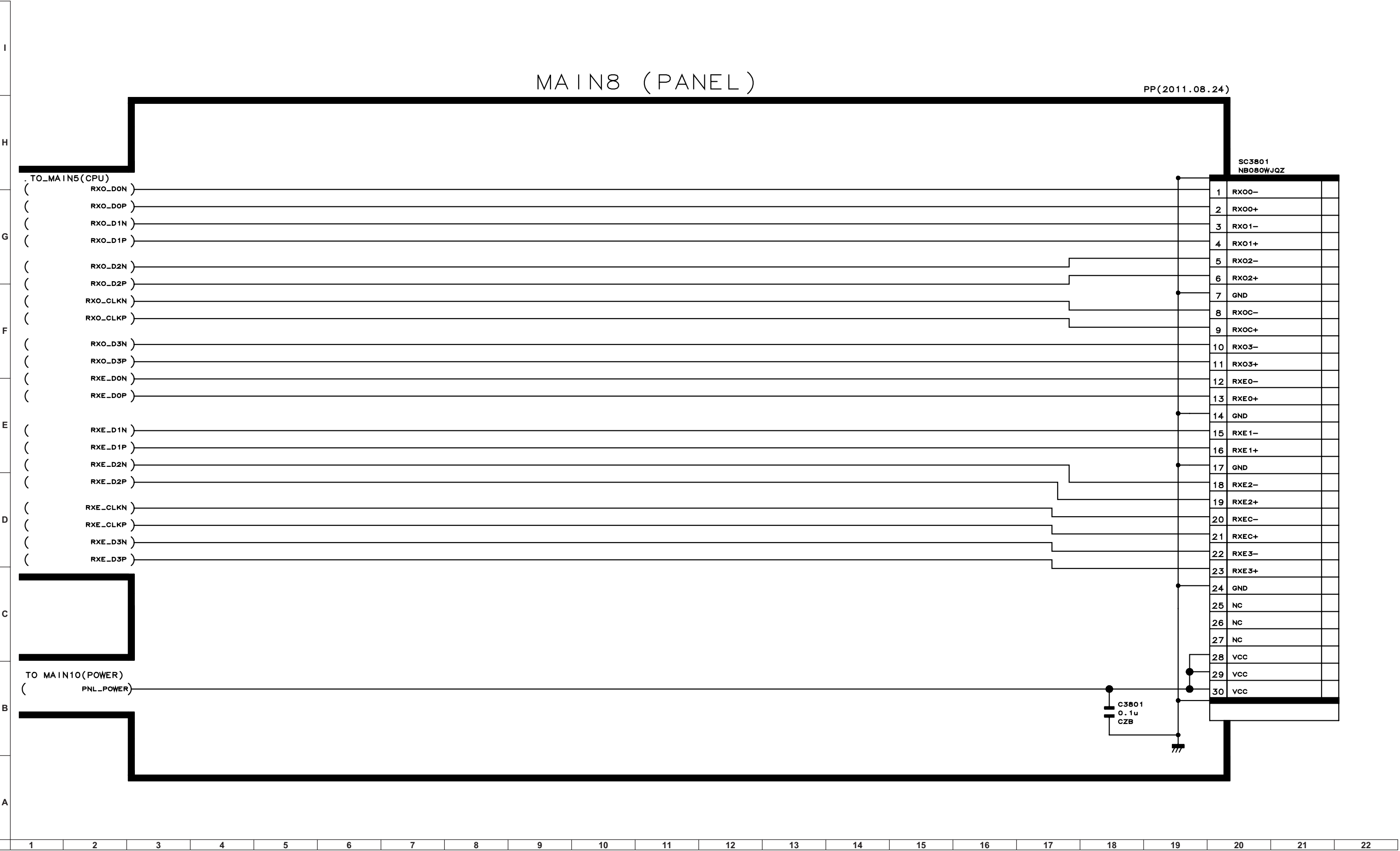


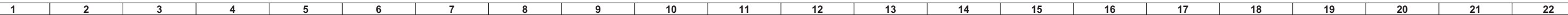
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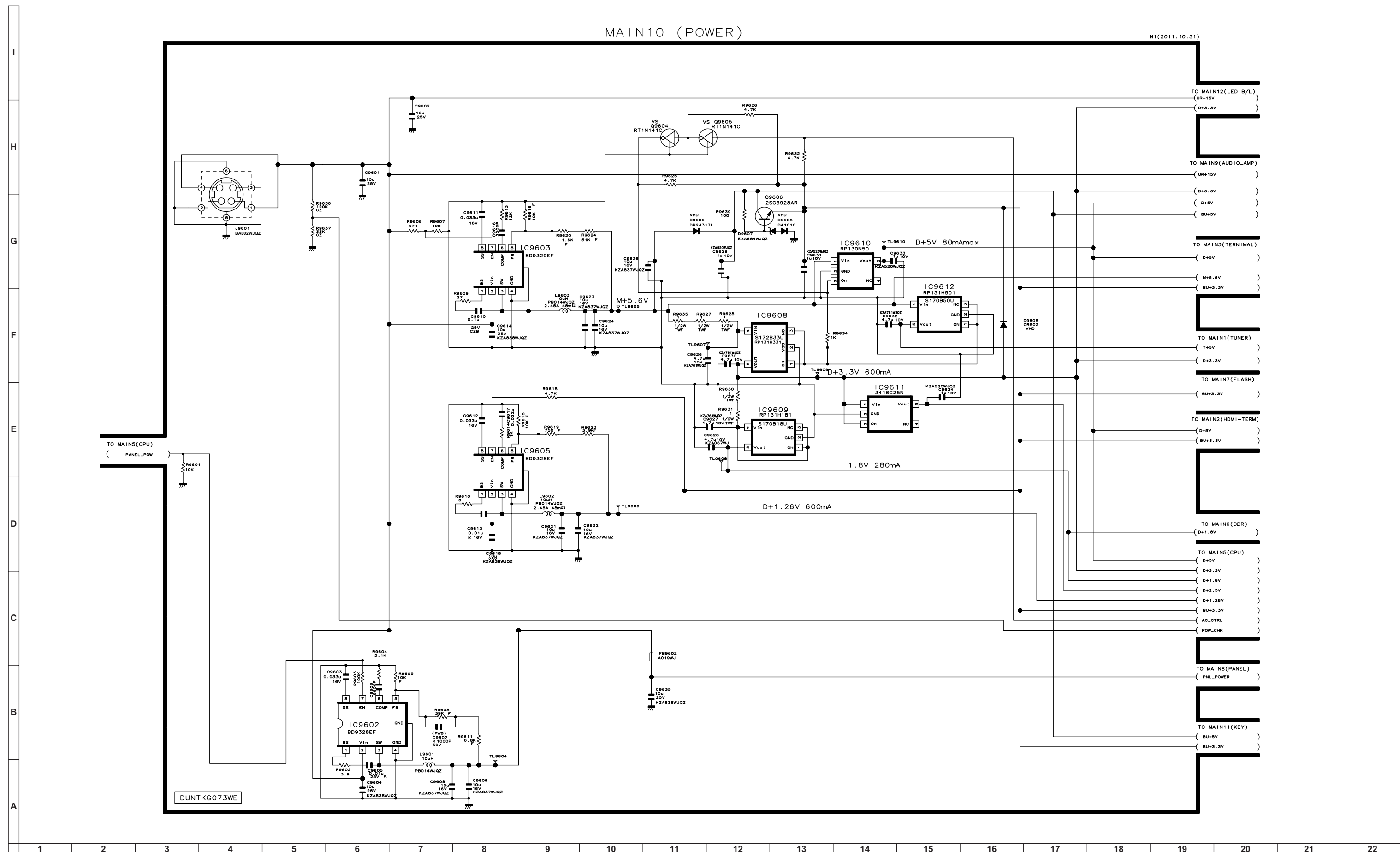
MAIN7 (FLASH)

PP(2011.09.20)









I

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G

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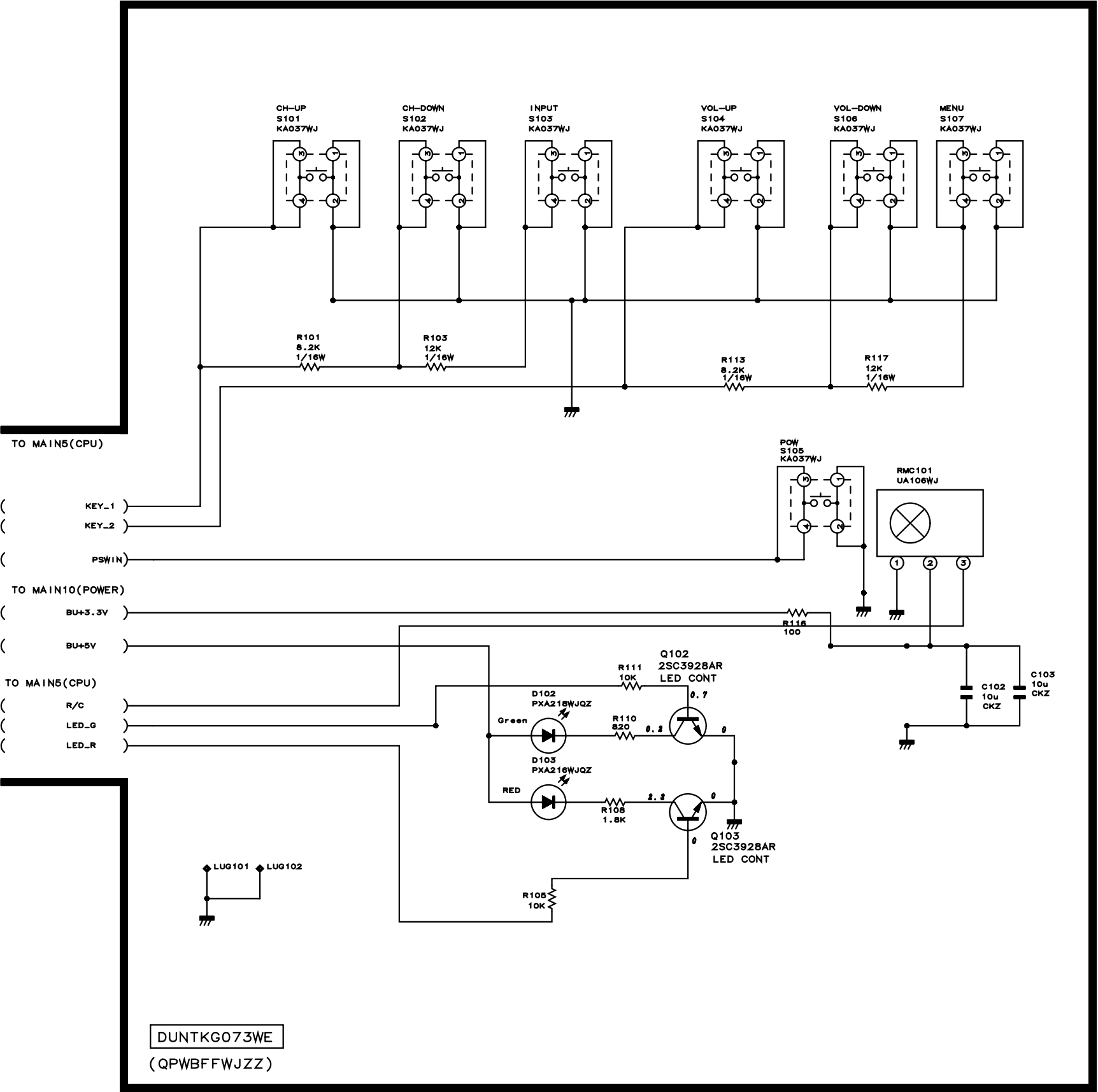
D

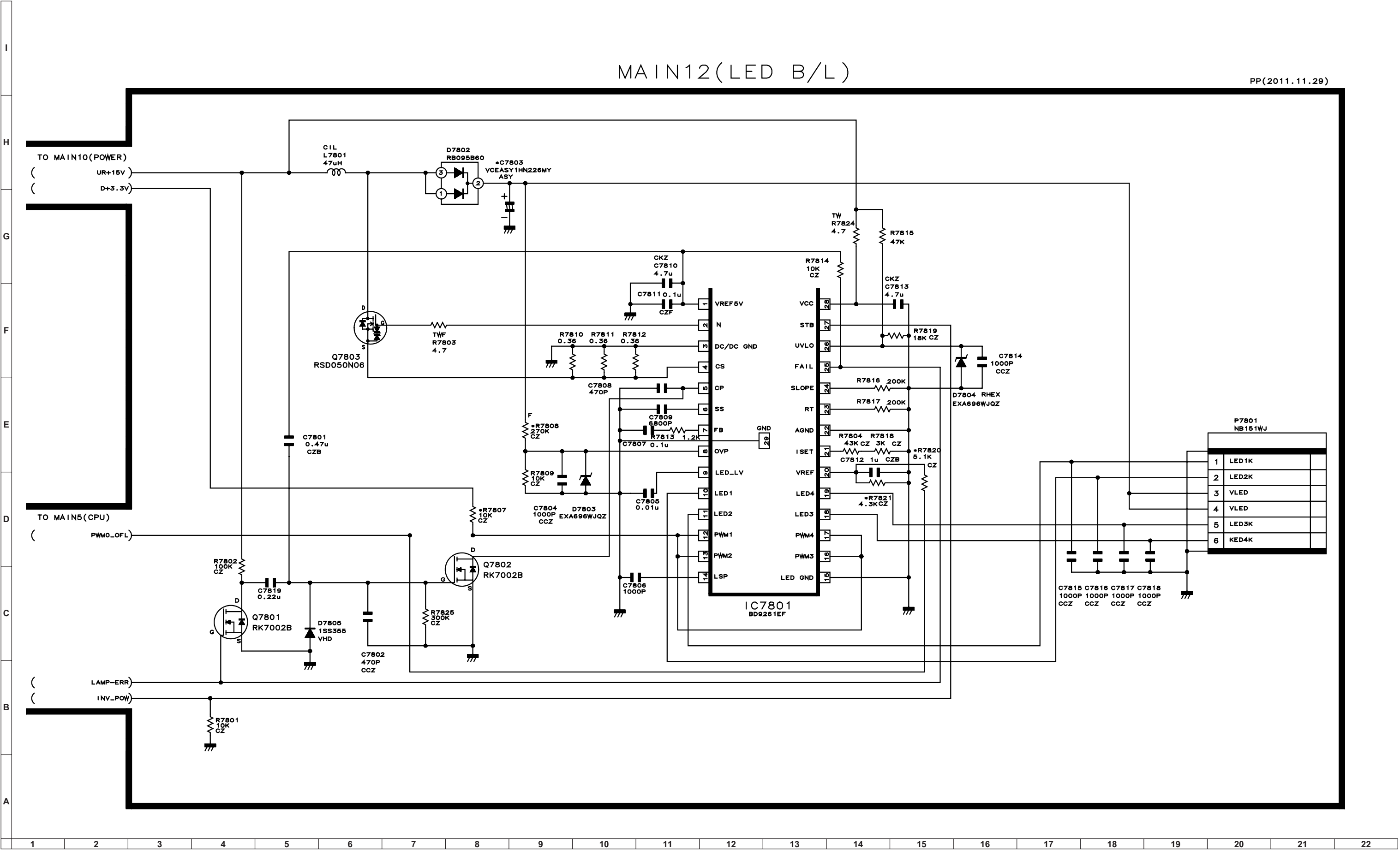
C

B

A

MAIN11(KEY/RC)





SHARP PARTS GUIDE

No. S12V630DC30M/

**LCD COLOUR TELEVISION****MODEL LC-22DC30M****Note:**

The reference numbers on the PWB are arranged in alphabetical order.

CONTENTS

- | | |
|-------------------------------------|--------------------------------------|
| [1] PRINTED WIRING BOARD ASSEMBLIES | PARTS |
| [2] LCD PANEL MODULE | [5] SUPPLIED ACCESSORIES |
| [3] DKEYMG073FM02 (MAIN Unit) | [6] PACKING PARTS |
| [4] CABINET AND MECHANICAL | [7] SERVICE JIGS (USE FOR SERVICING) |

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[1] PRINTED WIRING BOARD ASSEMBLIES					
N	DKEYMG073FM02	BS	N	V	MAIN Unit
[2] LCD PANEL MODULE					
N	RLCDA251WJQZ			V	LCD Panel Module Unit
[3] DKEYMG073FM02 (MAIN Unit)					
C102	RC-KZA837WJQZY	AB		J	Capacitor
C103	RC-KZA837WJQZY	AB		J	Capacitor
C501	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C502	VCCCCZ1HH100DY	AB		J	Capacitor 10p 50V Ceramic
C503	RC-KZA837WJQZY	AB		J	Capacitor
C504	VCCCCZ1HH100DY	AB		J	Capacitor 10p 50V Ceramic
C508	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C509	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C514	VCCCCZ1HH560JY	AB		J	Capacitor 56p 50V Ceramic
C515	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C517	VCCCCZ1HH560JY	AB		J	Capacitor 56p 50V Ceramic
C518	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C526	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C527	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C530	VCCCCZ1HH560JY	AB		J	Capacitor 56p 50V Ceramic
C531	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C532	VCCCCZ1HH560JY	AB		J	Capacitor 56p 50V Ceramic
C533	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C543	VCCCCZ1HH560JY	AB		J	Capacitor 56p 50V Ceramic
C544	VCCCCZ1HH560JY	AB		J	Capacitor 56p 50V Ceramic
C548	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C553	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C560	VCCCCZ1HH470JY	AB		J	Capacitor 47p 50V Ceramic
C561	VCCCCZ1HH470JY	AB		J	Capacitor 47p 50V Ceramic
C565	RC-KZA837WJQZY	AB		J	Capacitor
C566	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C581	RC-KZA837WJQZY	AB		J	Capacitor
C1103	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1105	RC-KZA837WJQZY	AB		J	Capacitor
C1106	RC-KZA837WJQZY	AB		J	Capacitor
C1107	RC-KZA837WJQZY	AB		J	Capacitor
C1108	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1110	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1113	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1114	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1115	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1116	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1117	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1118	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1120	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1121	RC-KZA837WJQZY	AB		J	Capacitor
C1501	RC-KZA837WJQZY	AB		J	Capacitor
C1502	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C1701	RC-KZA838WJQZY	AB		J	Capacitor
C1702	RC-KZA838WJQZY	AB		J	Capacitor
C1704	RC-KZA838WJQZY	AB		J	Capacitor
C1705	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1706	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C1707	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1708	RC-KZA621WJQZY	AA		J	Capacitor
C1709	RC-KZA621WJQZY	AA		J	Capacitor
C1710	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C1711	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C1712	RC-KZA621WJQZY	AA		J	Capacitor
C1713	RC-KZA621WJQZY	AA		J	Capacitor
C1714	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C1715	VCKYCY1EB104KY	AB		J	Capacitor 0.1 25V Ceramic
C1716	RC-KZA709WJQZY	AA		J	Capacitor
C1717	RC-KZA709WJQZY	AA		J	Capacitor
C1718	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1731	VCKYCY1HB102KY	AA		J	Capacitor 1000p 50V Ceramic
C1732	VCKYCY1HB102KY	AA		J	Capacitor 1000p 50V Ceramic
C1901	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1902	RC-KZA837WJQZY	AB		J	Capacitor
C1903	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1904	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1905	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1907	VCCCCZ1HH821JY	AA		J	Capacitor 820p 50V Ceramic
C1908	VCCCCZ1HH821JY	AA		J	Capacitor 820p 50V Ceramic
C1909	RC-KZA837WJQZY	AB		J	Capacitor
C1910	VCKYCZ1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C1911	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1912	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1913	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1914	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic
C1915	RC-KZA837WJQZY	AB		J	Capacitor
C1916	VCKYCZ1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C1917	RC-KZA115WJZZY	AB		J	Capacitor
C1919	VCKYCY1AB105KY	AB		J	Capacitor 1 10V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DKEYMG073FM02 (MAIN Unit)					
C1920	RC-KZA115WJZZY	AB		J	Capacitor
C1921	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C1922	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C3101	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3102	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3103	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3301	VCKYCZ1HB221KY	AA		J	Capacitor 220p 50V Ceramic
C3302	RC-KZA837WJQZY	AB		J	Capacitor
C3303	VCKYCZ1HB221KY	AA		J	Capacitor 220p 50V Ceramic
C3304	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3306	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3307	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3308	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3309	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3310	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3311	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3312	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3313	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3314	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3315	RC-KZA115WJZZY	AB		J	Capacitor
C3316	RC-KZA115WJZZY	AB		J	Capacitor
C3317	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3318	RC-KZA837WJQZY	AB		J	Capacitor
C3319	RC-KZA520WJQZY	AA		J	Capacitor
C3320	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3321	RC-KZA115WJZZY	AB		J	Capacitor
C3322	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3323	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3324	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3325	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3326	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3327	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3328	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3329	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3330	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C3331	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3332	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3333	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3334	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3335	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3336	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3337	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3338	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3339	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3340	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3341	RC-KZA837WJQZY	AB		J	Capacitor
C3342	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3343	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3344	VCKYCZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C3345	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3346	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3347	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3348	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3349	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3350	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3351	VCCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic
C3352	VCCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic
C3353	VCCCCZ1HH101JY	AB		J	Capacitor 100p 50V Ceramic
C3354	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C3355	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3356	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3357	VCCCCZ1HH100DY	AB		J	Capacitor 10p 50V Ceramic
C3358	VCCCCZ1HH120JY	AB		J	Capacitor 12p 50V Ceramic
C3359	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3360	RC-KZA115WJZZY	AB		J	Capacitor
C3361	VCKYCZ1CB223KY	AC		J	Capacitor 0.022 16V Ceramic
C3362	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3363	RC-KZA115WJZZY	AB		J	Capacitor
C3364	RC-KZA837WJQZY	AB		J	Capacitor
C3365	RC-KZA837WJQZY	AB		J	Capacitor
C3366	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3367	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3368	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3369	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3370	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3371	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3372	RC-KZA115WJZZY	AB		J	Capacitor
C3373	RC-KZA115WJZZY	AB		J	Capacitor
C3374	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3375	VCKYCZ1AB473KY	AB		J	Capacitor 0.047 10V Ceramic
C3376	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C3377	VCKYCZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C3378	VCKYCZ1HB221KY	AA		J	Capacitor 220p 50V Ceramic
C3379	VCKYCZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3380	VCKYCZ1HB221KY	AA		J	Capacitor 220p 50V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DKEYMG073FM02 (MAIN Unit)					
C3502	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3503	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3504	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3505	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3506	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3507	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3508	RC-KZA837WJQZY	AB		J	Capacitor
C3509	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3510	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3511	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3512	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3517	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C3801	VCKY CZ1AB104KY	AB		J	Capacitor 0.1 10V Ceramic
C7802	VCCCCZ1HH471JY	AA		J	Capacitor 470p 50V Ceramic
C7803	VCEASY1HN226MY	AC		J	Capacitor 22 50V Electrolytic
C7804	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C7805	VCKY CZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C7806	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C7807	VCKY CZ1EB104KY	AA		J	Capacitor 0.1 25V Ceramic
C7808	VCCCCZ1HH471JY	AA		J	Capacitor 470p 50V Ceramic
C7809	VCKY CY1HB682KY	AA		J	Capacitor 6800p 50V Ceramic
C7810	RC-KZA213WJZZY	AC		J	Capacitor
C7811	VCKY CZ1EF104ZY	AA		J	Capacitor 0.1 25V Ceramic
C7812	VCKY CZ1AB105KY	AA		J	Capacitor 1 10V Ceramic
C7813	RC-KZA213WJZZY	AC		J	Capacitor
C7814	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C7815	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C7816	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C7817	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C7818	VCCCCZ1HH102JY	AA		J	Capacitor 1000p 50V Ceramic
C7819	VCKY CY1AB224KY	AB		J	Capacitor 0.22 10V Ceramic
C7820	VCKY CY1AB474KY	AC		J	Capacitor 0.47 10V Ceramic
C9601	RC-KZA838WJQZY	AB		J	Capacitor
C9602	RC-KZA838WJQZY	AB		J	Capacitor
C9603	VCKY CZ1CB333KY	AA		J	Capacitor 0.033 16V Ceramic
C9604	RC-KZA838WJQZY	AB		J	Capacitor
C9605	VCKY CZ1EB103KY	AA		J	Capacitor 0.01 25V Ceramic
C9606	VCKY CY1HB682KY	AA		J	Capacitor 6800p 50V Ceramic
C9607	VCKY CZ1HB102KY	AB		J	Capacitor 1000p 50V Ceramic
C9608	RC-KZA837WJQZY	AB		J	Capacitor
C9609	RC-KZA837WJQZY	AB		J	Capacitor
C9610	VCKY CZ1EB104KY	AA		J	Capacitor 0.1 25V Ceramic
C9611	VCKY CZ1CB333KY	AA		J	Capacitor 0.033 16V Ceramic
C9612	VCKY CZ1CB333KY	AA		J	Capacitor 0.033 16V Ceramic
C9613	VCKY CZ1CB103KY	AB		J	Capacitor 0.01 16V Ceramic
C9614	RC-KZA838WJQZY	AB		J	Capacitor
C9615	RC-KZA838WJQZY	AB		J	Capacitor
C9616	VCKY CZ1HB222KY	AB		J	Capacitor 2200p 50V Ceramic
C9617	VCKY CZ1CB223KY	AC		J	Capacitor 0.022 16V Ceramic
C9621	RC-KZA837WJQZY	AB		J	Capacitor
C9622	RC-KZA837WJQZY	AB		J	Capacitor
C9623	RC-KZA837WJQZY	AB		J	Capacitor
C9624	RC-KZA837WJQZY	AB		J	Capacitor
C9626	RC-KZA761WJQZY	AB		J	Capacitor
C9627	RC-KZA761WJQZY	AB		J	Capacitor
C9628	RC-KZA067WJZZY	AB		J	Capacitor
C9629	RC-KZA520WJQZY	AA		J	Capacitor
C9630	RC-KZA761WJQZY	AB		J	Capacitor
C9631	RC-KZA520WJQZY	AA		J	Capacitor
C9632	RC-KZA761WJQZY	AB		J	Capacitor
C9633	RC-KZA520WJQZY	AA		J	Capacitor
C9634	RC-KZA520WJQZY	AA		J	Capacitor
C9635	RC-KZA838WJQZY	AB		J	Capacitor
C9636	RC-KZA837WJQZY	AB		J	Capacitor
D102	RH-PXA218WJQZY			V	Diode SML-A12M8TT86
D103	RH-PXA216WJQZY			V	Diode SML-A12M8TT86
D510	VHDBAV70+++-1Y	AB		J	Diode BAV70,215
D1101	VHDKDS114E+-1Y	AB		J	Diode KDS114E-RTK/P
D1510	VHDDB2S310L-1Y	AB		J	Diode DB2S31000L
D1516	VHDDB2S310L-1Y	AB		J	Diode DB2S31000L
D3301	VHDDA1010+++-1Y	AA		J	Diode DA2J10100L
D7802	VHDB095B60-1Y			V	Diode RB095B-60TL
D7803	RH-EXA696WJQZY			V	Diode DZ2J051M0L
D7804	RH-EXA696WJQZY			V	Diode DZ2J051M0L
D7805	VHD1SS355/-1Y	AB		J	Diode 1SS355FNTE-17
D9605	VHDCRS02+++-1Y	AC		J	Diode CRS02(TE85L,Q,M)
D9606	VHDDB2J317L-1Y			V	Diode DB2J31700L
D9607	RH-EXA684WJQZY			V	Diode DZ2J030M0L
D9608	VHDDA1010+++-1Y	AA		J	Diode DA2J10100L
FB503	RBLN-A206WJZZY	AA		J	Ferrite Core
FB507	RBLN-A206WJZZY	AA		J	Ferrite Core
FB517	RBLN-A369WJZZY	AB		J	Ferrite Core
FB518	RBLN-A369WJZZY	AB		J	Ferrite Core
FB519	RBLN-A369WJZZY	AB		J	Ferrite Core
FB520	RBLN-A369WJZZY	AB		J	Ferrite Core

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DKEYMG072FM02 (MAIN Unit)					
FB521	RBLN-0093GEZZY	AB		J	Ferrite Core
FB522	RBLN-0093GEZZY	AB		J	Ferrite Core
FB523	RBLN-0093GEZZY	AB		J	Ferrite Core
FB1101	RBLN-A191WJZZY	AB		J	Ferrite Core
FB1102	RBLN-A191WJZZY	AB		J	Ferrite Core
FB3301	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3302	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3303	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3304	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3305	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3306	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3307	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3308	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3309	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3310	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3311	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3312	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3313	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3314	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3315	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3316	RBLN-A192WJZZY	AA		J	Ferrite Core
FB3317	RBLN-A192WJZZY	AA		J	Ferrite Core
FB9602	RBLN-A019WJZZY	AA		J	Ferrite Core
FL1101	RF i LCA072WJQZ			V	Filter
FL1102	RF i LCA071WJQZ			V	Filter
FL3501	RF i LNA119WJZZY	AC		J	Filter
IC508	RH- i XD172WJQZS			V	IC BR24T02FJ-WE2
IC510	VH i S172B50U-1Y			V	IC S-1172B50-U5T1G
IC1501	RH- i XD173WJQZS			V	IC BR24T02FJ-WE2
IC1701	VH i YDA164DZ-1Y			V	IC YDA164B-QZE2
IC1901	VH i PST8429U-1Y	AC		J	IC IC-PST8429UR
IC1902	VH i NJU72011-1Y	AG		J	IC NJU72011RB2(TE2)
IC1903	VH i TPA6132A-1Y	AE		J	IC TPA6132A2RTER
IC1904	VH i PST8429U-1Y	AC		J	IC IC-PST8429UR
IC1905	VH i PST8429U-1Y	AC		J	IC IC-PST8429UR
IC3101	RH- i XD452WJN1Q			V	IC W25Q64CVSSIG
IC3102	VH i BR24T128F-1Y	AE		J	IC BR24T128F-WE2
IC3103	RH- i XD110WJQZY	AG		J	IC CAT24C08
IC3301	RH- i XD459WJQZQ		N	V	IC MST6003VS-LF-Z1
IC3302	VH i PST8429U-1Y	AC		J	IC IC-PST8429UR
IC3303	VH i HC2G66DP-1Y	AD		J	IC 74HC2G66DP,125
IC3501	RH- i XD361WJQZQ			V	IC H5PS5162GFR-S5C
IC7801	VH i BD9261EF-1Y			V	IC BD9261EFV-GE2
IC9602	VH i BD9328EF-1Y	AF		J	IC BD9328EFJ-E2
IC9603	VH i BD9329EF-1Y	AF		J	IC BD9329EFJ-E2
IC9605	VH i BD9328EF-1Y	AF		J	IC BD9328EFJ-E2
IC9608	VH i S172B33U-1Y	AD		J	IC S-1172B33-U5T1G
IC9609	VH i S170B18U-1Y	AE		J	IC S-1170B18UC-OTDTFG
IC9610	VH i RP130N50-5Y			V	IC RP130N501B-TR-FE
IC9611	VH i 3416C25N-1Y	AB		J	IC MM3416C25NRE
IC9612	VH i S170B50U-1Y	AD		J	IC S-1170B50UC-OUJTFG
J501	QSOCZA284WJQZ	AC		J	Jack Socket
J502	QJAKLA047WJQZ			V	Jack
J504	QJAKJ0101SEZZ	AE		J	Jack
J506	QJAKJA024WJZZ	AD		J	Jack
J9601	QSOCBA002WJQZ		N	V	Jack Socket
L501	RC i LFA154WJZZY	AC		J	Coil
L1103	VPSBNR82JR34NY	AB		J	Coil Peaking 0.82?H
L1701	RC i LPB301WJQZY	AC		J	Coil
L1702	RC i LPB301WJQZY	AC		J	Coil
L1703	RC i LPB301WJQZY	AC		J	Coil
L1704	RC i LPB301WJQZY	AC		J	Coil
L7801	RC i LP0418CEZZY			V	Coil
L9601	RC i LPB014WJQZY	AC		J	Coil
L9602	RC i LPB014WJQZY	AC		J	Coil
L9603	RC i LPB014WJQZY	AC		J	Coil
LUG101	QLUGZA005WJZZY	AD		J	Lug
LUG102	QLUGZA005WJZZY	AD		J	Lug
P1701	QPLGNA961WJZZY	AD		J	Plug
P7801	QPLGNB151WJZZY			V	Plug
Q102	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112V-1R
Q103	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112V-1R
Q1101	VSDSC2G03//1EY			V	Transistor DSC2G0300L
Q1105	VSRT1N441U/-1Y	AB		J	Transistor RT1N441U-T111V-1
Q1501	VSRT1N441U/-1Y	AB		J	Transistor RT1N441U-T111V-1
Q1502	VSRT1N441U/-1Y	AB		J	Transistor RT1N441U-T111V-1
Q1503	VSRT1N441U/-1Y	AB		J	Transistor RT1N441U-T111V-1
Q1901	VSRT1N441U/-1Y	AB		J	Transistor RT1N441U-T111V-1
Q1902	VSRT1N441U/-1Y	AB		J	Transistor RT1N441U-T111V-1
Q3301	VSRN4983///-1Y	AC		J	Transistor RN4983(TE85L,F)
Q3302	VSRT1N141U/-1Y	AB		J	Transistor RT1N141U-T111V-1
Q3303	VSRT1N141U/-1Y	AB		J	Transistor RT1N141U-T111V-1
Q3304	VSRT1N141C/-1Y	AB		J	Transistor RT1N141U-T112-1
Q7801	VSRK7002B+-1Y	AB		J	Transistor RK7002BT116
Q7802	VSRK7002B+-1Y	AB		J	Transistor RK7002BT116

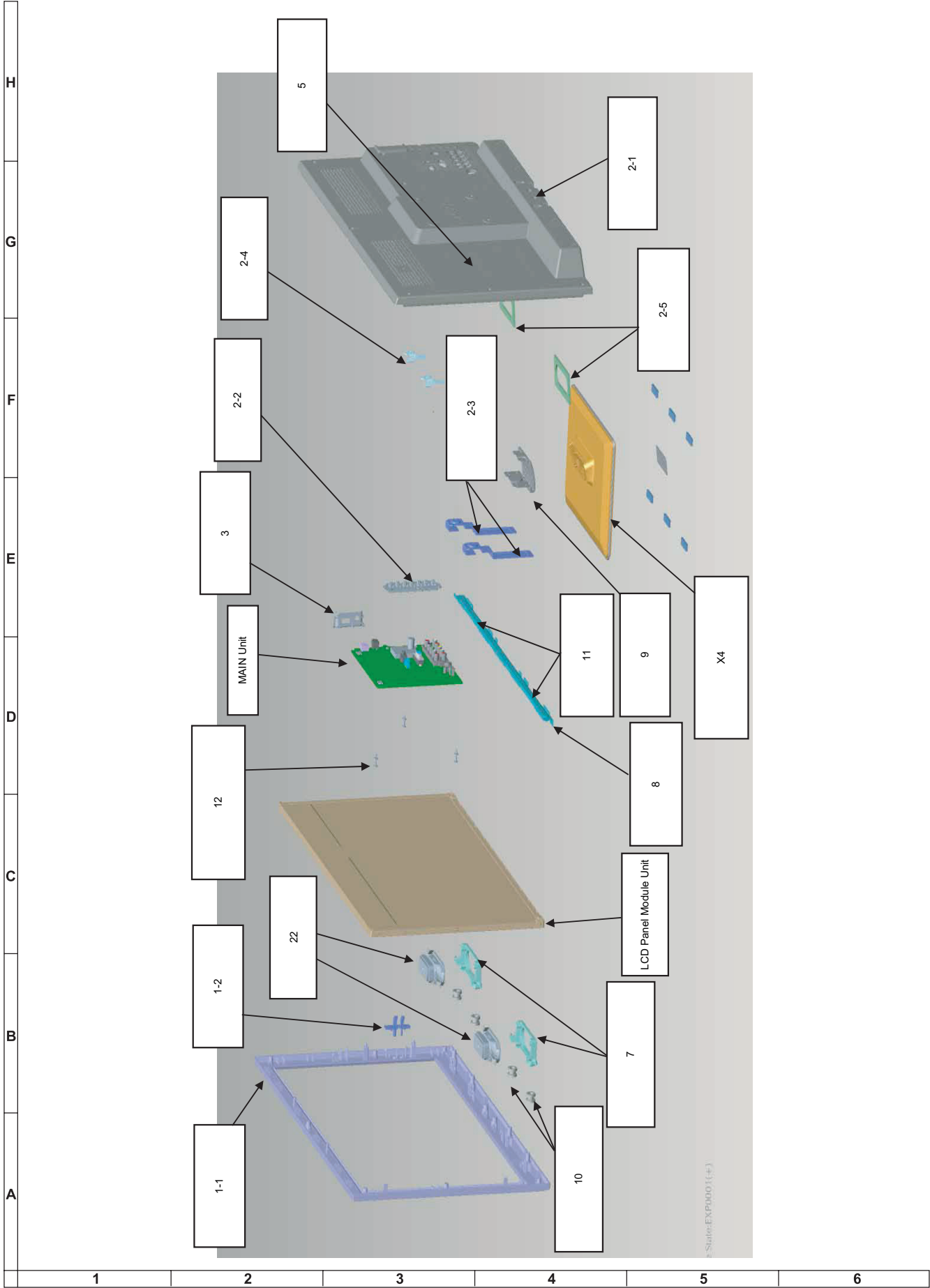
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DKEYMG073FM02 (MAIN Unit)					
Q7803	VSRSD050N06-1Y			V	Transistor RSD050N06TL
Q9604	VSRT1N141C/-1Y	AB		J	Transistor RT1N141U-T112-1
Q9605	VSRT1N141C/-1Y	AB		J	Transistor RT1N141U-T112-1
Q9606	VS2SC3928AR-1Y	AB		J	Transistor 2SC3928A-T112V-1R
R101	VRS-CZ1JF822JY	AA		J	Resistor 8.2k 1/16W Metal Oxide
R103	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R105	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R108	VRS-CZ1JF182JY	AA		J	Resistor 1.8k 1/16W Metal Oxide
R110	VRS-CZ1JF821JY	AA		J	Resistor 820 1/16W Metal Oxide
R111	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R113	VRS-CZ1JF822JY	AA		J	Resistor 8.2k 1/16W Metal Oxide
R116	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R117	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R501	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R502	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R503	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R505	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R506	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R507	VRS-TW2ED101JY	AA		J	Resistor 100 1/4W Metal Oxide
R508	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R509	VRS-TW2ED101JY	AA		J	Resistor 100 1/4W Metal Oxide
R510	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R511	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R512	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R513	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R514	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R515	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R516	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R517	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R518	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R519	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R520	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R521	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R522	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R523	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R524	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R525	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R526	VRS-TW2ED101JY	AA		J	Resistor 100 1/4W Metal Oxide
R527	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R528	VRS-TW2ED101JY	AA		J	Resistor 100 1/4W Metal Oxide
R529	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R532	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R533	VRS-TQ2EF750JY	AA		J	Resistor 75 1/4W Metal Oxide
R534	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R535	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R536	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R547	VRS-TQ2EF750JY	AA		J	Resistor 75 1/4W Metal Oxide
R548	VRS-TQ2EF750JY	AA		J	Resistor 75 1/4W Metal Oxide
R549	VRS-TQ2EF750JY	AA		J	Resistor 75 1/4W Metal Oxide
R577	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R578	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R581	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R582	VRS-TQ2EF750JY	AA		J	Resistor 75 1/4W Metal Oxide
R583	VRS-TQ2EF750JY	AA		J	Resistor 75 1/4W Metal Oxide
R584	VRS-TQ2EF750JY	AA		J	Resistor 75 1/4W Metal Oxide
R590	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R601	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R607	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R608	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R610	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R611	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R613	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R614	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R615	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R616	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R620	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R621	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R625	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R626	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R631	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R632	VRS-CZ1JF100JY	AA		J	Resistor 10 1/16W Metal Oxide
R1102	VRS-CZ1JF682JY	AA		J	Resistor 6.8k 1/16W Metal Oxide
R1103	VRS-CZ1JF682JY	AA		J	Resistor 6.8k 1/16W Metal Oxide
R1105	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1111	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R1113	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R1114	VRS-CZ1JF821JY	AA		J	Resistor 820 1/16W Metal Oxide
R1115	VRS-CZ1JF152JY	AA		J	Resistor 1.5k 1/16W Metal Oxide
R1116	VRS-CZ1JF271JY	AA		J	Resistor 270 1/16W Metal Oxide
R1117	VRS-CZ1JF680JY	AB		J	Resistor 68 1/16W Metal Oxide
R1118	VRS-CZ1JF681JY	AA		J	Resistor 680 1/16W Metal Oxide
R1119	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1125	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1127	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1131	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DKEYMG073FM02 (MAIN Unit)					
R1132	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R1133	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R1138	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R1143	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1144	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R1503	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1504	VRK-SA1JF100JY	AB		J	Resistor 10 1/16W Metal Composition
R1505	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R1510	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1511	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1516	VRK-SA1JF473JY	AC		J	Resistor 47k 1/16W Metal Composition
R1547	VRS-CZ1JF201JY	AA		J	Resistor 200 1/16W Metal Oxide
R1705	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1706	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1707	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1708	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1709	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1710	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1711	VRS-CZ1JF564JY	AB		J	Resistor 560k 1/16W Metal Oxide
R1712	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1715	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1716	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1717	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1718	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R1719	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R1901	VRS-CZ1JF153JY	AA		J	Resistor 15k 1/16W Metal Oxide
R1903	VRS-CZ1JF332JY	AA		J	Resistor 3.3k 1/16W Metal Oxide
R1904	VRS-CZ1JF822JY	AA		J	Resistor 8.2k 1/16W Metal Oxide
R1905	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R1906	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R1907	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R1908	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1910	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R1912	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1914	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R1915	VRS-CZ1JF682JY	AA		J	Resistor 6.8k 1/16W Metal Oxide
R1916	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R1917	VRS-CZ1JF682JY	AA		J	Resistor 6.8k 1/16W Metal Oxide
R1918	VRS-CZ1JF222JY	AA		J	Resistor 2.2k 1/16W Metal Oxide
R3101	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R3102	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3103	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R3104	VRK-SA1JF100JY	AB		J	Resistor 10 1/16W Metal Composition
R3105	VRK-SA1JF100JY	AB		J	Resistor 10 1/16W Metal Composition
R3301	VRS-CZ1JF224JY	AA		J	Resistor 220k 1/16W Metal Oxide
R3302	VRS-CZ1JF562JY	AA		J	Resistor 5.6k 1/16W Metal Oxide
R3303	VRS-CZ1JF102FY	AA		J	Resistor 1k 1/16W Metal Oxide
R3304	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3305	VRS-CZ1JF102FY	AA		J	Resistor 1k 1/16W Metal Oxide
R3306	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3308	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R3310	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R3312	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R3313	VRS-CZ1JF224JY	AA		J	Resistor 220k 1/16W Metal Oxide
R3315	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R3316	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3317	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R3319	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R3320	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R3321	VRS-CZ1JF272JY	AA		J	Resistor 2.7k 1/16W Metal Oxide
R3323	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R3324	VRS-CZ1JF223JY	AA		J	Resistor 22k 1/16W Metal Oxide
R3325	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R3326	VRK-SA1JF100JY	AB		J	Resistor 10 1/16W Metal Composition
R3327	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3328	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3329	VRK-SA1JF100JY	AB		J	Resistor 10 1/16W Metal Composition
R3330	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3331	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3332	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3333	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3334	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3335	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3336	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R3337	VRK-SA1JF333JY	AB		J	Resistor 33k 1/16W Metal Composition
R3338	VRK-SA1JF102JY	AB		J	Resistor 1k 1/16W Metal Composition
R3339	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3340	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3341	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3342	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3343	VRS-CZ1JF272FY	AA		J	Resistor 2.7k 1/16W Metal Oxide
R3344	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3345	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R3347	VRS-CZ1JF471JY	AA		J	Resistor 470 1/16W Metal Oxide
R3349	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DKEYMG073FM02 (MAIN Unit)					
R3350	VRK-SA1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Composition
R3351	VRK-SA1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Composition
R3353	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R3354	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3355	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3356	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3357	VRS-CZ1JF680JY	AB		J	Resistor 68 1/16W Metal Oxide
R3358	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3359	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3360	VRS-CZ1JF330JY	AA		J	Resistor 33 1/16W Metal Oxide
R3361	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R3362	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R3363	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3364	VRS-CZ1JF224JY	AA		J	Resistor 220k 1/16W Metal Oxide
R3365	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3366	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3367	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3368	VRS-CZ1JF224JY	AA		J	Resistor 220k 1/16W Metal Oxide
R3369	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R3370	VRK-SA1JF000JY	AB		J	Resistor 0 1/16W Metal Composition
R3371	VRS-CZ1JF680JY	AB		J	Resistor 68 1/16W Metal Oxide
R3372	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3373	VRS-CZ1JF680JY	AB		J	Resistor 68 1/16W Metal Oxide
R3377	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3385	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R3430	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R3501	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3502	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3503	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3504	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3505	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3506	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3507	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3508	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3509	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3511	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3512	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3513	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3514	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3515	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3516	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3517	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3518	VRK-SB1FF560JY	AB		J	Resistor 56 1/32W Metal Composition
R3519	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3520	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3521	VRS-CZ1JF560JY	AA		J	Resistor 56 1/16W Metal Oxide
R3525	VRS-CZ1JF102FY	AA		J	Resistor 1k 1/16W Metal Oxide
R3526	VRS-CZ1JF102FY	AA		J	Resistor 1k 1/16W Metal Oxide
R3527	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R3528	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
R7801	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R7802	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R7803	VRS-TW2HF4R7JY	AA		J	Resistor 4.7 1/2W Metal Oxide
R7804	VRS-CZ1JF433FY	AA		J	Resistor 43k 1/16W Metal Oxide
R7807	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R7808	VRS-CZ1JF274FY	AA		J	Resistor 270k 1/16W Metal Oxide
R7809	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R7810	VRS-TQ2EDR36FY			V	Resistor 0.36 1/4W Metal Oxide
R7811	VRS-TQ2EDR36FY			V	Resistor 0.36 1/4W Metal Oxide
R7812	VRS-TQ2EDR36FY			V	Resistor 0.36 1/4W Metal Oxide
R7813	VRS-CZ1JF122JY	AA		J	Resistor 1.2k 1/16W Metal Oxide
R7814	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R7815	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R7816	VRS-CZ1JF204FY	AA		J	Resistor 200k 1/16W Metal Oxide
R7817	VRS-CZ1JF204FY	AA		J	Resistor 200k 1/16W Metal Oxide
R7818	VRS-CZ1JF302FY	AA		J	Resistor 3.0k 1/16W Metal Oxide
R7819	VRS-CZ1JF183JY	AA		J	Resistor 18k 1/16W Metal Oxide
R7820	VRS-CZ1JF512JY	AA		J	Resistor 5.1k 1/16W Metal Oxide
R7821	VRS-CZ1JF432FY	AA		J	Resistor 4.3k 1/16W Metal Oxide
R7824	VRS-TW2ED4R7JY	AB		J	Resistor 4.7 1/4W Metal Oxide
R7825	VRS-CZ1JF304JY			V	Resistor 300k 1/16W Metal Oxide
R9601	VRS-CZ1JF103JY	AA		J	Resistor 10k 1/16W Metal Oxide
R9602	VRS-CZ1JF3R9JY	AA		J	Resistor 3.9 1/16W Metal Oxide
R9603	VRS-CZ1JF104JY	AA		J	Resistor 100k 1/16W Metal Oxide
R9604	VRS-CZ1JF512JY	AA		J	Resistor 5.1k 1/16W Metal Oxide
R9605	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9606	VRS-CZ1JF473JY	AA		J	Resistor 47k 1/16W Metal Oxide
R9607	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R9608	VRS-CZ1JF393FY	AA		J	Resistor 39k 1/16W Metal Oxide
R9609	VRS-CZ1JF270JY	AA		J	Resistor 27 1/16W Metal Oxide
R9610	VRS-CZ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R9611	VRS-CZ1JF682FY	AA		J	Resistor 6.8k 1/16W Metal Oxide
R9613	VRS-CZ1JF123JY	AA		J	Resistor 12k 1/16W Metal Oxide
R9614	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R9615	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide








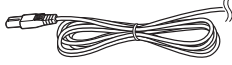
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[3] DKEYMG073FM02 (MAIN Unit)					
R9616	VRS-CZ1JF103FY	AB		J	Resistor 10k 1/16W Metal Oxide
R9618	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9619	VRS-CZ1JF751FY	AA		J	Resistor 750 1/16W Metal Oxide
R9620	VRS-CZ1JF162FY	AA		J	Resistor 1.6k 1/16W Metal Oxide
R9623	VRS-CZ1JF392FY	AA		J	Resistor 3.9k 1/16W Metal Oxide
R9624	VRS-CZ1JF513FY	AA		J	Resistor 51k 1/16W Metal Oxide
R9625	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9626	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9627	VRS-TW2HF1R0JY	AA		J	Resistor 1 1/2W Metal Oxide
R9628	VRS-TW2HF1R0JY	AA		J	Resistor 1 1/2W Metal Oxide
R9630	VRS-TW2HF1R0JY	AA		J	Resistor 1 1/2W Metal Oxide
R9631	VRS-TW2HF1R0JY	AA		J	Resistor 1 1/2W Metal Oxide
R9632	VRS-CZ1JF472JY	AA		J	Resistor 4.7k 1/16W Metal Oxide
R9634	VRS-CZ1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R9635	VRS-TW2HF1R0JY	AA		J	Resistor 1 1/2W Metal Oxide
R9636	VRS-CZ1JF124FY	AA		J	Resistor 120k 1/16W Metal Oxide
R9637	VRS-CZ1JF333FY	AA		J	Resistor 33k 1/16W Metal Oxide
R9639	VRS-CZ1JF101JY	AA		J	Resistor 100 1/16W Metal Oxide
RMC101	RRMUA106WJZZY			V	Remote Control
S101	QSW-KA037WJZZY	AC		J	Switch
S102	QSW-KA037WJZZY	AC		J	Switch
S103	QSW-KA037WJZZY	AC		J	Switch
S104	QSW-KA037WJZZY	AC		J	Switch
S105	QSW-KA037WJZZY	AC		J	Switch
S106	QSW-KA037WJZZY	AC		J	Switch
S107	QSW-KA037WJZZY	AC		J	Switch
SC502	QSOCNB037WJQZ	AF		J	Socket Socket
SC1501	QSOCZA271WJQZY	AG		J	Socket Socket
SC3801	QSOCNB080WJQZY			V	Socket Socket
TH3301	VHHM1103J15-1Y	AB		J	Thermistor
TU1101	RTUNQA067WJQZ	AU		J	Tuner
X3301	RCRSCA239WJQZY	AD		J	Crystal

[4] CABINET AND MECHANICAL PARTS

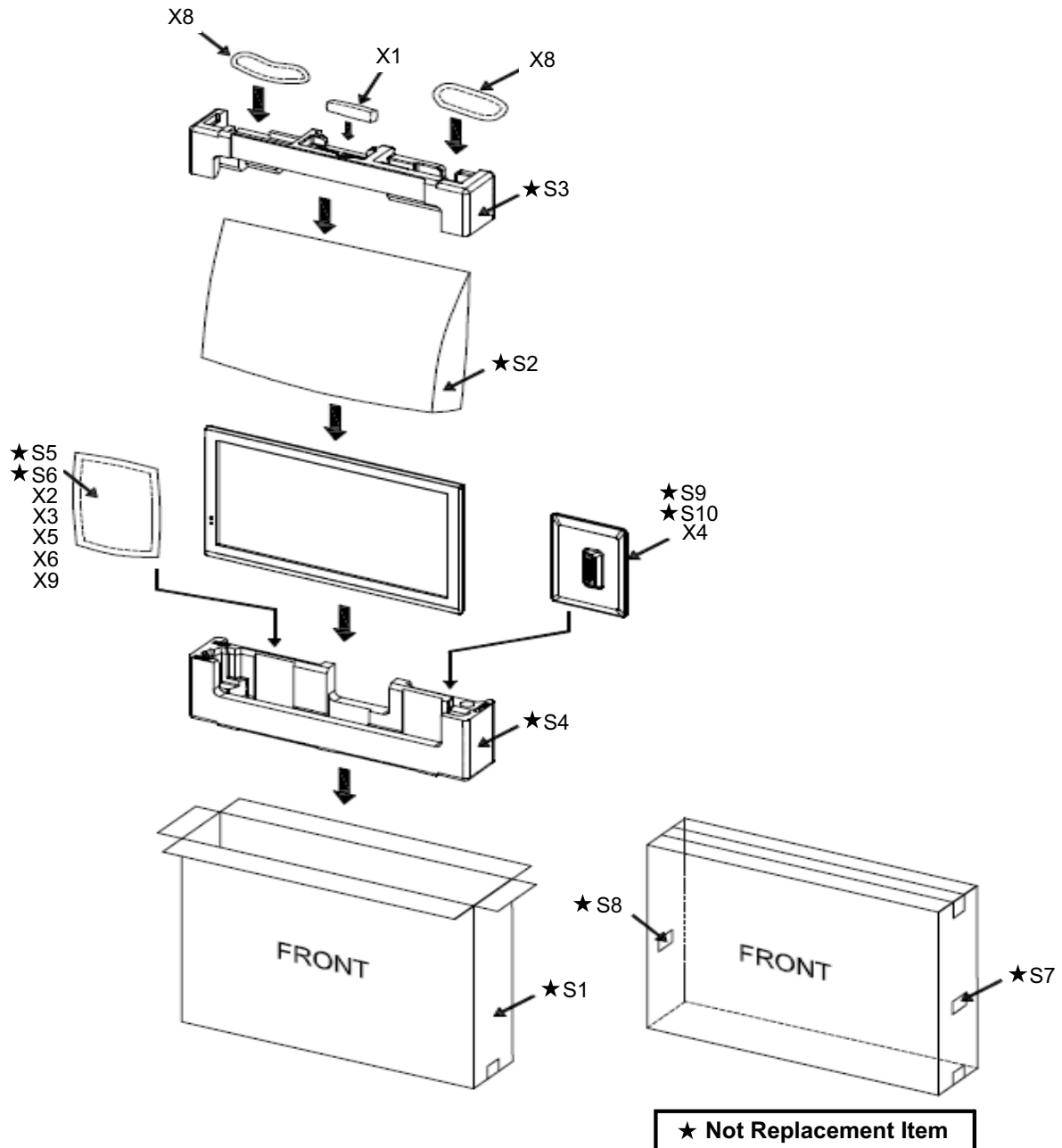


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] CABINET AND MECHANICAL PARTS					
1	CCABAC854WJ01		N	V	Front Cabinet Ass'y
1-1	GCABAC854WJ4A		N	V	Front Cabinet
1-2	HDECQB681WJ4A			V	LED Cover
1-3	PSPAHB389WJ4Z	AA		J	Lens Himeron 20*10*t0.9
1-4	PSPAHC535WJ00		N	V	Mask Himeron 270*7*0.35, x2
1-5	PSPAHC536WJ00		N	V	Mask Himeron 477*7*0.35, x2
2	CCABBC058WJ01		N	V	Rear Cabinet Ass'y
2-1	GCABBC058WJ4A		N	V	Rear Cabinet
2-2	JBTN-A954WJ4A			V	Control Button
2-3	LANGKD433WJ4W			V	Mounting Angle, x2
2-4	LANGKD438WJ4W			V	Visa Angle, x2
2-5	PMLT-A692WJZZ			V	SPK Moltplane, x2
2-6	PSPAHC137WJ4Z			V	Himeron 137*10*0.35, x2
2-7	XEBS830P08000	AA		J	For VESA Holder, 2/For Mounting Angle, x2
3	GCOVAE278WJ4A			V	Side Cover
5	TLABME198WJZZ		N	V	Model Label (for Indonesia, Asia, Middle East, Philippines, Vietnam, Asia)
5	TLABME220WJZZ		N	V	Model Label (for Saudi Arabia)
5	TLABME219WJZZ		N	V	Model Label (for Thailand)
6	TLABV0182AJZZ	AB		J	No.Card
7	GBFL-A034WJZZ			V	SPK Buffer, x2
8	LANGKD481WJ4W		N	V	Support Angle
9	LANGKD435WJ4W			V	Bottom Bracket
10	PSPAGA385WJZZ	AC		J	SPK Rubber, x4
11	PSPA ZC816WJKZ			V	Spacer, x2
12	PSPA ZC819WJKZ			V	Spacer, x3
13	TLABZD145WJZZ	-		-	POP LABEL
14	XEBS830P08000	AA		J	Scerw, x4
15	XBPS730P06WS0	AA		J	Scerw, x4
16	XBBS830P08000	AA		J	Scerw, x6
17	PSLDMB795WJKZ			V	Conductive Tape
18	PSPAHB156WJ4Z	AB		J	Spacer, x2
19	QCNW-M494WJPZ		N	V	SP Wire
20	QCNW-M495WJPZ		N	V	LVDS FFC
21	QCNW-M496WJPZ		N	V	LED Wire
22	VSP8030PA018A		N	V	Speaker, x2

[5] SUPPLIED ACCESSORIES

X1 Remote control unit	X2 Operation manual	X3 "AAA" size battery (x 2)	X4 Stand base
			
X5 Screws (x 2)	X6 Cable tie	X7 AC adaptor	X8 AC cord
			
			X9 Warranty Card

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[5] SUPPLIED ACCESSORIES					
X1	RRMCGA992WJSA	AS		J	Remote Control
X2	TiNS-F421WJZZ		N	V	Operation Manual ENGLISH (for Thailand, Indonesia, Vietnam)
X2	TiNS-F422WJZZ		N	V	Operation Manual CHINESE SIMP (for Asia)
X2	TiNS-F423WJZZ		N	V	Operation Manual ARABIC/ENGLISH (for Middle East, Middle East, Asia)
X2	TiNS-F424WJZZ		N	V	Operation Manual THAI (for Thailand)
X2	TiNS-F425WJZZ		N	V	Operation Manual VIETNAM
X2	TiNS-F428WJZZ		N	V	Operation Manual INDONESIA (for Indonesia)
X2	TiNS-F423WJZZ		N	V	Operation Manual ARABIC/ENGLISH (for Asia)
X2	TiNS-F426WJZZ		N	V	Operation Manual FRENCH (for Middle East)
X2	TiNS-F427WJZZ		N	V	Operation Manual FRENCH/PORTUGUE (for Middle East, Asia)
X2	TiNS-F429WJZZ		N	V	Operation Manual KAZAKHSTAN/RUSS (for Middle East)
X2	TiNS-F430WJZZ		N	V	Operation Manual ENGLISH (for Philippines)
X3	Not Available	-		-	"AAA" Size Battery, x2
X4	CDAi-A809WJ02		N	V	Stand Base Ass'y
X5	LX-BZA444WJF7			V	Screw For Stand
X6	LHLDWA318WJKZ			V	Cable Tie
X7	UADP-A118WJZZ	BL		J	AC Adaptor
X8	QACCZA131WJN2			V	AC Cord (for Philippines)
X8	QACCKA033WJN2			V	AC Cord (for Thailand)
X8	QACCKA047WJPZ			V	AC Cord (for Indonesia, Asia, Middle East, Vietnam, Vietnam)
X8	QACCKA076WJN2			V	AC Cord (for Middle East)
X9	QCNCWA969WJZZ			V	Antenna Adaptor (for Philippines)
X10	TGAN-B249WJZZ			V	Warranty Card (for Philippines)
X10	TGAN-B728WJZZ			V	Warranty Card (for Indonesia)
X10	TGAN-B636WJZZ			V	Warranty Card (for Asia)
X10	TGAN-B383WJN1			V	Warranty Card (for Vietnam)

[6] PACKING PARTS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[6] PACKING PARTS					
S1	SPAKCG615WJZZ	-	N	-	Packing Case (except for Indonesia)
S1	SPAKCG653WJZZ	-	N	-	Packing Case (for Indonesia)
S2	SPAKPB556WJZZ	-	-	-	Hoso PP
S3	SPAKXD551WJZZ	-	N	-	Top Pad
S4	SPAKXD552WJZZ	-	N	-	Bottom Pad
S5	SSAKHA050WJZZ	-	-	-	Pack For Screw
S6	SSAKA0001PEZZ	-	-	-	Polyethylene Bag
S8	TLABZD113WJZZ	-	N	V	CARTON LABEL (for Vietnam)
S9	SPAKXD574WJZZ	-	N	-	Stand Pad
S10	SSAKA0031PEZZ	-	-	-	Polyethylene Bag
S11	TLABSA206WJZZ	-	-	-	Regulation Label (for Indonesia)
[7] SERVICE JIGS (USE FOR SERVICING)					
N	QCNW-M477WJPZ	-	N	-	Extension Cable, LED BL Wire (Main-Panel BL)
N	QCNW-M476WJPZ	-	N	-	Extension Cable, LVDS FFC (Main-Panel Controller)
N	QCNW-M161WJPZ	AM	-	V	Extension Cable, Speaker Wire (Main-Speaker)

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